SUPPLEMENT.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

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No. 2448.—Vol. LII.

LONDON, SATURDAY, JULY 22, 1882.

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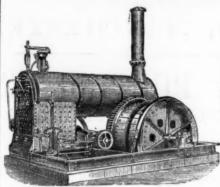
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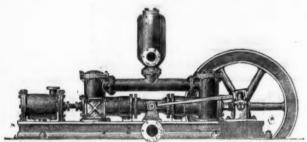
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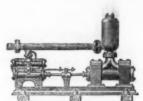
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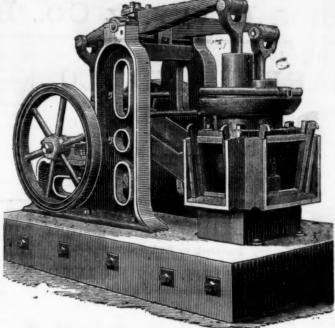
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SOCIETY OF TELEGRAPH ENGINEERS AND ELECTRICIANS.

Electrical science is so largely applied in connection with modern warfare that more than usual interest is attached to the reception at the School of Military Engineering of the Society of Telegraph Engineers and Electricians, by Lieut.-Colonel Webber, R.E., the President of the Society, with the permission of Major-Gen. Sir E. Wood. Commanding the Chatham District, and of the Commandant of the school, since it furnished to the non-technical members of the society school, since it furnished to the non-technical members of the society an opportunity of acquiring more practical knowledge in a few hours than could have been obtained from listening to any number of scientific papers. Nearly 500 of the members, associates, and friends of the society accepted the President's invitation, and were entertained by him at luncheon at the Royal Engineers officers' mess. The guests were shown over the schools, following a programme arranged by the Acting-Commandant, Colonel Harvey, R.E., and conducted by the officers of the Royal Engineers, who were indefatigable in providing for the entertainment of all, though they were perhaps, to some extent, compensated by the amusement afforded to conducted by the omcers of the Royal Engineers, who were indefatigable in providing for the entertainment of all, though they were perhaps, to some extent, compensated by the amusement afforded to them by the extraordinary questions asked, one of the squad under the conduct of Major Bond, R.E., enquiring, for example, whether a light one-span bridge over a deep gorge was a pontoon-bridge, and another whether the gabions were usually prepared in England or made in the country where the fighting was going on. The luncheon having been disposed of, a highly interesting lecture on torpedo warfare was delivered in the theatre by Major Armstrong, R.E., who explained the admirable arrangements in the service for facilitating the proper use of the various electrical appliances by comparatively uninstructed men without danger of accident. Machines or apparatus producing high-tension and low-tension currents respectively each a distinctive colour, and this coloured is retained for the whole series, so that the misuse, unless wilfully, of conductors, &c., intended for low-tension with a high-tension, generator is impossible. Detonators, again, are all coloured red, and there are equally visible distinctions to indicate whether the explosive handled is ganpowder or guncotton. The relative merits of contact, observation, and other torpedos were explained, and the descriptions rendered particularly lucid by the well-arranged experiments by which they illustrated.

The lecture being finished, the guests were next conducted through the Royal Engineers' Institution and the schools of electricity, who

ticularly lucid by the well-arranged experiments by which they illustrated.

The lecture being finished, the guests were next conducted through the Royal Engineers' Institution and the schools of electricity, photography, chemistry, architecture, and surveying, whilst outside the Engineers' field park, the mechanical workshops, the construction of military pridges, use of brushwood for military purposes, siege batteries, earthworks, demolition of railways and stockades, also submarine mine explosions, afforded a most interesting programme, especially so, at a moment when all these appliances may at any time by brought into practical use. That as a training place for young officers and sappers of the Royal Engineers wherein their duties in the great variety of work in which they are to be engaged in after life, the arrangement of the whole establishment is of a thoroughly practical character there can be no doubt, whilst it is equally certain that it must be of great value to the army at large, as officers of all branches resort to the School of Military Engineering to go through the various courses of study which it affords. Here they are hospitably received by the officers of the corps, and participate in all the comforts and conveniences of a good mess, and all the advantages of a library and museum. It should be mentioned that the Royal Engineers' Institute is an establishment for military and scientific meetings and instruction, which is managed by Major Vetch, R.E., the secretary, in which printing and lithography for public purposes is carried on, lectures delivered, and whence the Royal Engineers' Journal is issued monthly to the corps. The visit was most enjoyable notwithstanding the rain, and was particularly gratifying to electricians, since it afforded them a confirmation of the fact that the value of the application of electricity to warfare is felly realised at Chatham, and that there was no want of appreciation of its importance on the part of the army.

PURIFICATION OF PRECIPITATED COPPER.

In the various processes for the extraction of copper by what is known as the humid method, the copper is usually precipitated by immersing in the cupreous solution scrap iron, sponge iron, or castiron. The precipitated copper thus thrown down is in almost all immersing in the cupreous solution scrap fron, sponge fron, or castiron. The precipitated copper thus thrown down is in almost all cases contaminated by the presence of varying quantities of arsenical compounds. In the subsequent smelting of such precipitated copper the removal of the arsenical compounds is accomplished with difficulty, and an inferior quality of copper consequently results. The invention of Mr. Frederic Clauder, of Coleman-street, has for its object the removal of the arsenical compounds from the precipitated copper previously to smelting the same, and the consequent more ready production of ingot or cake copper free from arsenic. For this purpose he either treats the precipitated copper when in the wet state or condition as obtained from the precipitating vats, or when it exists in a partially or completely dried state or condition, with a solution of caustic or carbonated alkali, or with mixtures of the same. He prefers for this purpose to employ a solution of caustic soda, or a solution of carbonate of soda, or a mixture of the same, which solutions may be employed either at the ordinary or at an elevated temperature. It will, however, be understood that the corresponing alkaline potassium compounds or mixtures of the same may also be employed. By this means the arsenical compounds existing in the precipitated copper are converted into soluable arsenical salts, either of soda or potash, which are removed from the precipitated copper by the alkaline solution, and by subsequent washing either with hot or with cold water.

In some cases it is preferable to moisten the precipitated copper

or some or potent, which are removed from the precipitated copper by the alkaline solution, and by subsequent washing either with hot or with cold water.

In some cases it is preferable to moisten the precipitated copper to be purified with a strong solution of a caustic alkali, or of an alkaline carbonate, or of a mixture of the two, as hereinbefore mentioned, and after drying the mass to subject it to a suitable heat in a muffle or other furnace. The arsenical compounds thus formed are consequently removed in the form of soluble arsenical salts, either of soda or of potash, by lixiviating the heated mixture with water, by preference with water at an elevated temperature. The proportions in which the caustic or carbonated alkalies are to be employed will be dependent upon the amount of the arsenical compounds existing in the precipitated copper, but he has found that in treating ordinary English precipitate made from Spanish or Portuguese pyrites, 3 to 5 per cent. of alkali or its equivalent gives good assults. Other proportions may, however, be adopted, his object being to convert the arsenical compounds existing in the precipitated copper into easily soluble salts, in order that they may be removed, and that the copper may be obtained in a purer condition.

HOLLOWAY'S PILLS.—In order that the slightest indisposition may not rapidly run its disastrous course from bad to worse, the afflicted of every age and class should give it immediate attention. A few doses of these thoroughly purifying and strengthening pills will always be beneficial when the least disorder reigns, or when nervous fears oppress. Two or three pills at bed time have the happlest effect in promoting perfect digestion, whereby the muscles are rendered more vigorous, the spirits more buoyant, and the entire frame more hardy. Holloway's medicine increases the quantity of nutrienst derivable from a given quantity of food, and also the quality of the blood is improved, the tone of every ibre throughout the body is heightened, and the disposition to fall into disease is reduced to a minimum.

Original Correspondence.

GOLD MINING IN THE MYSORE-COLAR DISTRICT.

GOLD MINING IN THE MYSORE-COLAR DISTRICT.

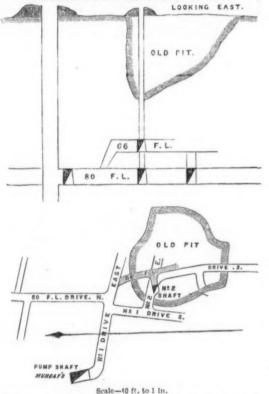
SIR,—I fear the crumbs of comfort to be derived by the shareholders from reading the reports of the several ordinary general
meetings of the companies in this district are but few, and the
golden visions, conjured up no doubt by many, less than two years
ago, while reading the prospectuses of these El Dorados and refound
Ophir of the ancient, have been abruptly if not rudely dispelled.
Apart from the actual mining prospects, the financial position
appears particularly precarious, and it is impossible to read the reports
without feeling, that without knowing who is to blame, the financial
management has been (to state it mildly) extraordinary and unparalleled in the history of mining. The Mysore reefs especially
shows a state of things which I trust for mining interests generally
is unusual, and can only express a very decided opinion that the
shareholders have good cause for complaint. It is no secret that
from a very early stage differences of a more or less grave character
have existed between the members of the staff in several of these
mines and their employers; the process of washing dirty linen in
public is at all times to be deprecated, still we cannot help feeling
that in the controversy that has taken place in the public press, the
position taken up by the officials dismissed or resigned, has been left
unassailed, much that might have been explained has been withheld,
and from the fact that the directors have not been able to impeach
their discharged employees' veracity or controvert their statements,
the gentlemen (who have expressed a decided opinion on the worth, their discharged employees' veracity or controvert their statements, the gentlemen (who have expressed a decided opinion on the worth-lessness of the whole district) remain virtually masters of the

situation.

Had one or two managers failed to give satisfaction, and have been sent home, we should have felt no surprise, but when we see a list like the following:—Messrs. Bray, Jarvis, Rodgers, Marsh, Moon, and Bryant, all of whom have either been dismissed or have resigned within a few months of being appointed, we feel puzzled to account for it, and naturally look for some explanation, particularly as these men, one and all, are gentlemen of character and antecedents, and I repeat this exodus is in itself a matter for serious reflection. The Ooregum Mine has been so prominently before the public on account

repeat this exodus is in itself a matter for serious reflection. The Ooregum Mine has been so prominently before the public on account of its being the pioneer mine in the district that I feel I owe your readers no apology for referring to its position and prospects in detail, and though I feel that the personal differences that have existed there do not concern the public, I fear I shall be unable to comment on this mine without some slight reference thereto.

In order that the readers of the Mining Journal may more clearly understand what has been done, and what is doing, I append a sketch of the workings at Munday's shaft, representing the state of the mine when Mr. St. Stephens arrived on the ground in August last. No doubt, to many who are unacquainted with the property, the plan will be a surprise, as Munday's has been spoken of, both at the meetings and by Mr. St. Stephens in his reports as a mere shaft, and here I consider lies the weak part of that gentleman's recommendahere I consider lies the weak part of that gentleman's recommenda-tion; it is clear that very considerable explorations have taken place there, and so far, the statements in the prospectus appear to be LONGITUDINAL AND GROUND PLAN SECTIONS



wanting in verification. The company acting under the advice of Mr. St. Stephens is pledged to the sinking of this shaft, but it is impossible to lose sight of the fact that Capt. Bryant, whose career as a thoroughly practical miner, is well known most emphatically condemned this course, and this he did after a most careful survey, and an intimate acquaintance with the whole of the levels and drives. In a letter from the late superintendent, which appeared in the Mining Journal of March 11, the reasons for the proposed abandonment of al letter from the late superintendent, which appeared in the Mining Journal of March 11, the reasons for the proposed abandonment of this part of the mine were given; and when I compare the reasons given there, with the theoretical observations of Mr. St. Stephens, I feel bound to record a verdict in favour of the practical miner. I only hope the reef may be met with; but, in the face of the extensive drives already completed, I confess I do not quite share the Chairman's sanguine expectations, nor can I quite follow him in his congratulations on the achievements at the mine. The whole of the machinery was on the ground before Mr. St. Stephens's arrival; the machinery was on the ground before Mr. St. Stephens's arrival; the stores, houses, &c., were erected, Munday's shaft and drives cleared stores, houses, &c., were erected, Munday's shaft and drives cleared and secured, pumps and engines at work, and all the real difficulties of the situation overcome, so far his predictions have not been fulfilled, and while I do not doubt his ability, and have no word to say against his knowledge as a m ner, I think it ratural that mining men should lean to Capt. Bryant; there is no law unfortunately to prevent any one calling himself a mining engineer, and as so many failures are before us in the shape of parchment engineers, I think the public cannot do better than pin their faith to the practical

I cannot close this letter without reference to the differen A cannot close this letter without reference to the differences referred to in the case of this mine, they are easily accounted for: the late superintendent naturally resented being treated as a mere clerk or caretaker under Messrs. Arbuthnot and Co., and there is no doubt he worked hard to prevent a reckless and extravagant expenditure, he appears to hour printed out to the heart the measurement. diture; he appears to have pointed out to the board the uselessness and drawback to the mine of Messrs. Arbuthnot and Co.'s agency; he did not succeed because of the composition of the board, his action was practically complaining of the firm of Arbuthnot and Co., in India to the firm that it is a like it in Judge. India, to the firm itself in London—the company dismissed him, and retained the services of the firm, the cost of which the shareholders are now informed amounts to 13 per cent. of the whole of the money passing through their hands. That Capt. Bryant, after the arrival on passing through their hands. That Capt. Bryant, and the ground of an officer to control him, should wish to leave, and did eventually resign, is by no means singular; it is, indeed, a novel

thing to appoint a firm of agents at a cost of 13 per cent. to superintend the superintendent, and to appoint also a resident consulting engineer on a large salary to supervise the mine captain. At the extraordinary general meeting held lately, the Chairman stated that Messrs. Arbuthnot and Co. were not the men to desert a sinking ship, but are they not already doing so, as they now hold less than sne-half the number of shares they formerly held; there was no one at the meeting to explain the non-existence of the 2000 tons of gold bearing quartz, stated by Sir William Arbuthnot in May, 1831, to be ready for stamping. All this does not tend to show their confidence, and must be estimated at its true worth. Taking all matters into consideration I regret to say the whole business presents anything but a promising future, I fear that with all, or nearly all the capital expended success is almost impossible; I trust for the true interest of gold mining. These reckless experiments may not be repeated, such failures paralyse trade and prevent money being expended in legitimate mining enterprise in which there is more than even a wide scope.—Preston, July 17.

GOLD AND DIAMOND MINING IN SOUTH AFRICA.

GOLD AND DIAMOND MINING IN SOUTH AFRICA.

SIR,—I have once more succeeded in raising the ire of a certain clique in Kimberley; simply because I remarked that the trapping system was repugnant to the feelings of every honest man. The system was repugnant to the feelings of every honest man. The Independent and Advertiser has devoted several leaders to the subject. They make several uncrupulous assertions, but disprove nothing I wrote; in fact they are like men struggling to write against their own honest convictions for the purpose of diverting suspicion from the real diamond thieves into a wrong channel. They write that diamonds to the extent of 2,000,000. sterling are stolen aroundly, but I defense present to group that the Keffirs steal 24 per annually, but I defy any person to prove that the Kaffirs steal 2½ per cent. of that amount. In fact, everything goes to prove that if diamonds to the extent of the above amount are stolen, they must be stolen by parties far above the working Kaffirs or white overseer; and the profits arising from the damnable traffic are so enormous that they can well afford to employ individuals to barricade them with their ren. The black man here is made the scane-goat of that they can well afford to employ individuals to barricade them with their pen. The black man here is made the scape-goat of every conceiveable crime, and if the big illicit diamond-buying scoundrels could hang by proxy, murders would be much more frequent. I abhor every petson who is direct or indirectly connected with illicit diamond buying, no matter whether they take their liquors at the club or the lowest grog shop. The writer in the Advertiser is very wroth because I wrote favourably of the British, Barnato, Standard, Central, and French Companies (of the Kimberley Mine). But I repeat without fear of contradiction that these five companies are very good indeed, and that it was owing to their great success that so many rascally concerns were so easily floated. great success that so many rascally concerns were so easily floated. I have always pointed out that there is other ground in the Kimberley Mine equally as good as the ground in the above companies, but that "it was to be avoided for the present in consequence of being buried upder follon reaf":

It is very easy for journalists, who are paid to do so, to assert that such is not the case; and it is sometimes difficult to produce corroborative evidence, but the following letter very opportunely appeared in yesterday's Daily Independent bearing directly on the

subject:—
Kimberley, June 19.—To the Editor of the Daily Independent.—
Sir,—Will you oblige me by correcting a slight misstatement that appeared in your report of the proceedings of the Kimberley Mining Board, due I know not to whom. It is there stated that we have two pieces of ground, and that we are three years in arrear with our rates. Our ground is one piece, in claims 12 and 13, which has been under reef for five years and six months. On this we regularly paid the rates until August of last year, and are prepared on once more getting our ground, to resume the payment of rates, with arrears.—
W. H. Carter.
This is only one case out of several which I could name and

This is only one case out of several which I could name, and although Mr. Carter and party have been five and a half years withalthough Mr. Carter and party have been five and a half years without being able to work their ground, the prospect of their doing so is still very remote. After the reef difficulty has been overcome the claims which are now buried with reef will be as valuable as the claims of the Central, Standard, or any other company. But the claims in the extreme west end of the Kimberley Mine never has been any good, and never will be. I know for a fact that these worthless claims are about to be offered to a company at home. And if the poor silly fellow who has been induced to try and float the worthless west end claims at home should succeed, he will injure his supporters, and do an irreparable injury to South Africa. As I have so often pointed out, there are a large number of concerns here well worth the attention of capitalists, and are capable of paying splendid dividends if properly handled, but there are also a large number of concerns of no value; the difficulty, therefore, is for capitalists to know which to select. Three weeks ago I informed your readers that the Barnato Company would pay another dividend in the course of a week or two; their present dividend of 4 per cent. shows the correctness of my estimate; this is the second dividend within four weeks. They will be in a position to pay a much larger dividend by the end of another month. A great deal of credit is due to the manager (Mr. Pippin) for the manner in which this company is able to pay of another month. A great deaf of credit is due to the manager (Mr. Pippin) for the manner in which this company is able to pay such frequent dividends, and such sterling honesty and perseverance in a place like the diamond fields deserves special recognition. I am pleased to observe that the Kimberley Mine is in a much better position than it has been at any time during the last four years, and unless some unforseen accident occurs the total output of diamonds must be enormous. It must not be inferred from this that all the difficulties are over-far from it, I think it highly probably that the first heavy rains will cause some heavy falls of reef. In fact the sides of the mine will never be perfectly secure until the aqueous deposit is sloped down from the surface to the igneous rock at a secure angle. The Standard, Barnato, British, and Central companies are doing splendidly, and the Rose Innis is again able to work on diamond soil two-thirds of their time, they could pay a fair dividend, but hitherto they have been greatly troubled with faller dividend, but hitherto they have been greatly troubled with fallen

The news from Jagersfontein is of a very unsatisfactory character The news from Jagersfontein is of a very unsatisfactory character and the following from the leading journal of the Free State requires no comment:—The El Dorado of the Free State.—The Express says: "We received form our correspondent at Jagersfontein on Tuesday last the following telegram:—'Manager of Meteor Company resigned. Place like a graveyard. Scarcely one company working.' We regret to publish this news, but think now the end has been nearly reached, we may in the future expect better times for Jagersfontein: worse they could not be."

At Dutoitspan there are still a large number of companies idle. The Anglo-African was evidently put into a company at very much too high a figure. The Griqualand West Company's ground which is equally good was only put into a company at one-third of the Anglo-African. At Bultfontein the French and Desterre Company show unmistakable signs of dividends. At De Beers Mine, the Schwab's

unmistakable signs of dividends. At De Beers Mine, the Schwab's Gully, Baxter's Gully, De Beers Central, and the De Beers Mining Company (Limited) are doing fairly well, and are earning moderate dividends. None of the other companies at De Beers are any good dividends. None of the other companies at De Beers are any good as yet, and they are rabid with me for saying so. It is only fair to the mine to say that some of the De Beers companies are failures solely through mismanagement. Otto's Kopje is a genuine diamond mine, but from what has been done up to the present, it cannot be

payable concern. From the Transvaal I have received information to the effect that From the Transvaal I have received information to the effect that the Volksraad have passed a resolution nullifying all the acts of the Government during the British occupation. At the gold fields there is nothing doing. Mr. Gill. who was working at Rotunda Creek for Mr. White, was stopped last week by a party of armed Boers. The news of a rich discovery of gold at the Spelonken turns out to be another fraud. I have just received a very heavy mail from the Transvaal, and will send particulars in my next. The only war news is the following from yesterday's Advertiser:—"It is reported in Kimberley that a number of men have lately gone from the camp to the Northern Border to take part in the unhappy war which is going on there between Mankaroane and the allied forces of Gasibone and the freebooting Boers from the Transvaal. The men are stated to

papers here for box a fide diamond mining properties, and out of 27 plications he accepted five. Kimberley, June 22.

PIERREFITTE MININ & COMPANY.

PIERREFITIE MININ'S COMPANY.

SIR,—Facts are indisputable. It is a fact that, leaving Paris by the 8 P.M. express, you can breakfast at the station at Bordeaux at 6:30 A.M., and reach Pierrefitte Nostalas Station in a few hours. It is a fact that there, in the most beautiful part of the Pyreners, you can dine at the Hotel de la Poste as sumptuously as at the Café Riche or Maison Dorée, It is a fact that after dinner you can stroll in 20 minutes to the dressing-floors of the mine, and, if you have a fancy for "ballooning," you can, in two minutes more, be at the adit mouth, your conveyance being the wire rope supplied by Messrs. Bullivant and Co. (a pretty secure guarantee for its solidity). It is a fact you can there see one of the grandest prizes in mining that exists—a lode 10 ft. wide, giving 2 ft. of solid galena (75 per cent. of lead and 103 ozs. of silver per ton is the assay of Messrs. Johnson and Matthey) and 3 ft. of solid blende, and worth per cubic fathom, after all expenses of transit, &c., upwards of 2001. net profit. It is a fact that you can verify these statements by enquiry at the London office.

E. S. H. Lie a prochability that if any of your readers for the statements.

P.S.—It is a probability that if any of your readers follow the above programme, they will make what the Americans call a considerable pile inside a month."

GOLD FROM SILICATES.

SIR,-It afforded me much pleasure to peruse the interesting description in the Journal of Saturday last, of the important dis-covery on this head made by Mr. J. Peter Kagenbusch, and paterted by that gentleman. It will add considerably to the range of science and act as a further impetus to the question of extracting gold and silver from silicates. Your remarks are quite a sequifive to an article in Truth of June 29, wherein the Editor of that scientific publication treats of the Indian gold mines in connection with this Frankable discovery by Mr. J. Peter Kagenbusch.

A SMESTER.

GAS LOCOMOTOR FOR CARRIAGES.

GAS LOCOMOTOR FOR CARRIAGES.

SIR,—The facilities now possessed for compressing gas appear to encourage the hope that gas motors might be applied not only for tram-cars and the like, but even for fire-engines and omnibuses. It must be admitted that gas motors acting by explosion, as at present constructed, do not allow of an automatic motion, and are not adapted to be used as locomotors in the same way as steam-engines. The whole of the difficulties, however, appear to have been overcome by Mr. Armand Montclar, of Paris. The gas motors which he uses may be constructed on the Otto system, and they may be constructed single-acting, with one explosion for four half revolutions of two double strokes of the piston, with one explosion for two half reto-lutions or one double stroke or otherwise, or they may be double-acting with one explosion for one, two, or more single strokes of the lutions or one double stroke or otherwise, or they may be double acting with one explosion for one, two, or more single strokes of the

According to one arrangement the gas motor is arranged with a

piston.

According to one arrangement the gas motor is arranged with a starting apparatus consisting of a supplementary compressed airengine which acts when required by friction or other suitable gear, on the periphery of a fly-wheel. The gas motor may be of the ordinary construction, but by preference with two or more working cylinders with connecting rods and crank shaft as usual, the valves for the admission of gas and for the exhaust are operated by cams driven by shafts actuated by certain novel arrangements of gearing from the crank-shaft. The slide-valves for the distribution of air and gas and for ignition are operated by cranks and connecting rods. The gas stored in a receiver is conducted therefrom by a pipe to s box, from which it is distributed by two valves, acted on by cams, so as to admit the same gas alternately to the two cylinders. This box is furnished with a cock which can be operated by the driver by means of a lever in order to stop the engine or to set it in motion.

All these arrangements are similar to those employed in the Otto gas-engine, except as regards the aforesaid box, and the novel arrangements in connecting with the shafts for operating the valves. On the crank-shaft is a sliding clutch box operated by a farter and handle, for the purpose of connecting or disconnecting an eccentric with or from the said crank shaft. The said eccentric communicates motion to the piston of an air-pump, which draws in and compresses air into a receiver. This air may be compressed during the journey, or preferably during stoppages, or while going down hill, and serves to actuate the before-mentioned supplementary air-engine. The latter acts upon the circumference of the fly-wheel by means of friction, or other suitable gear, in order to diminish as much as possible the resistance to be overcome. When it is required to start the locomotor the supplementary air-engine is caused to turn the fly-wheel of the gas motor three or four times until effective start the locomotor the supplementary air-engine is caused to turn the fly-wheel of the gas motor three or four times until effective explosions are produced in the cylinders thereof, after which the air engine is disconnected from the fly-wheel and left at rest. The compression of the air costs little, because its generation may be utilised as a brake or resistance for effecting stoppages, or while going down hill. For the purpose of moving the locomotor out of the shed, for instance, compressed air may be generated by hand or otherwise.

Various modifications of this arrangement are proposed, but they all depend on the principle of generating and storing up a volume of compressed air by the movement of the engine itself and of utilising this compressed air for starting the locomotor. UTILE.

July 18.

LANGFORD COPPER AND SILVER MINING COMPANY

SIR,—I cannot look upon Messrs. Watson Brothers reply to my enquiries as a satisfactory one. We are informed that the extracts I gave from Nov. 12, 1881, to March 18, 1882, were all given from information in letters from Mr. Dobell. We are also told that so far as the experiments were carried out they were a success, but immediately after this we are informed that only 6 tons of halvans had been run through, and the result was a solid piece of matte weighing about 2 cwts., and it had been stolen from the storehouse. The prospectus of the company held out as an inducement to parties to take shares that by a simple and inexpensive process. nouse. The prospectus of the company held out as an inducement to parties to take shares that by a simple and inexpensive process a large quantity of silver and copper matte might be returned at a profit while the engine was in process of erection at the shaft, and shares were subscribed for on this representation, for it was a great temptation to subscribe to a concern which it was stated had not only future prospects of of no ordinary character, but had positively the still more favourable feature of immediate profits. The last named feature it was week advertised in the Lovanal (see excert. feature it was week after week advertised in the Journal (as experiments were carried on), was established beyond all possibility of doubt, and we are still assured that the experiments were a success,

but the proof that they were so has been stolen.

Notwithstanding all assurances to the contrary, I am disposed to think the silver experiments are a failure. If they are the success intimated, why have they not been continued on a more extended scale? Why has the visible certainty of profit been abandoned for the purpose of proving by the erection of expensive machinery whether the former workers did or did not abandon the mine on the two of great success at the junction of Langford and other lodes? eve of great success at the junction of Langford and other lodes? For we were told in the Journal of July 8 that early and great results are expected from this point. Can tried and successful experiments (and we are told there are 10,000 tons of halvans to work upon) be of secondary importance to an experiment that contains all the elements of improbability and doubt? From Messrs, Watson Brothers remarks we are evidently to under-

stand that all the information they have given, and all the repre-sentations which have been made about the mine have been the opinions of agents and extracts from Mr. Dobell's letters. Several agents wrote sanguinely of the mine, and Messrs, Watson Brothers went into it on the reports of those agents. To me it seems a matter of regret that Messrs, Watson Brothers introduced and recommended the freebooting Boers from the Transvaal. The men are stated to be well provided with horses, guns, and ammunition."

Previous to Kitto leaving for England he advertised in all the can be placed in mine reports out of ten that are written to float a mine, this want of caution is somewhat remarkable, and much to be

CHEAP MINING SHARES WORTH BUYING

SIR,-At the present moment there are shares in mines which inwould do well to watch, as some of them will no doubt rise high in value (no doubt all will move upwards) and may pay divi-dends. Several of them have paid dividends, and there is a prospect of their doing so again. I give a list of some dozen companies :

Name of Mine.	No. of Shares,			ice po			Value of Mine,	Dividends or profits.			
Devon Friendship	60,000	******	£0	5	0	*** 6	£15,000		£302,592		
East Blue Hills	12,000	*****			0	*****	6,000		nil		
East Chiverton	4,000		1	5	0		5,000		nil		
Herodsfoot	12,000	*****	0	2	6	*****			79,508		
Marke Valley	9,000		0	7	6		3,375		69,750		
Mona	8,000		4	10	0		36,000		4,000,000		
Prince of Wales	12,000		0	10	0		6,000				
South Darren	9,000	*****	0	15	0	*****	6,750		1,800		
West Crebor	12,000		0	12	6	*****					
West Phonix	12,000		0	12	6	*****	7,500		nil		
Wheal Jane	12,288		0	15	0	*****	9,216		16,896		
Wheal Jewell	12,000		0	2	6		1,500		nil		

I have been a subscriber to your Journal for over a quarter of a cen-I have been a subscriber to your Journal for over a quarter of a century, and have frequently carefully watched the rise and fall of various mine shares. My system is to buy when low, and sell after a good rise. True I have frequently suffered losses, still I have made some thousands in Cornish mining. I am now picking up shares in some of the above mines, being persuaded it is the proper time to buy.

London, July 19. AN INVESTOR IN LOW-PRICED SHARES.

NOTE.—I would here remark Devon Friendship worked as Wheal Friendship in the former working, and Mona is reported to have paid over 4,000,000%. in profits during 112 years.

HERODSFOOT SILVER-LEAD MINE.

-Noticing the remarks in last week's Journal I send you a copy of the sales of ore which have taken place during the present company's working. They prove the mine to be still rich, and when it is remembered there is a vast extent of unworked ground yet to be laid open in the north part of this valuable sett it does appear that the property is worthy of the attention of those who are wishful to embark in a promising investment—

CHANGE IN A	m to brommer P mis													
	LEAD SALES BY	PRE	SE	NT C	OX	[PA	NY 8	INC	E	187	9.			
Date.	Purchasers.	Am	noun	it.	P	rice		Am	out	t. 5	Pots	al An	nou	nt
1879.	7	ons	. C.	qr.	£	9.	d.	æ	B.	d.		£	2.	d.
April 28	Panther Lead Co Nevill, Druce & Co	. 38	2	0	14	2	0	537	2	10				
44	Nevill, Druce & Co.,	. 15	7	3	10	16	6	166	7	4	-	703	10	2
June 19	Weston, Son & Co	. 26	3	3	12	18	0	337	14	0				
**	Nevill, Druce & Co	. 19	4	1	4	7	6		0	2	200	421	14	2
August 8	E. C. Goodhart & Co.	. 13	14	1		5	6		11	4				
	Nevill, Druge & Co						6		3	6				
	Ditto			3	7	8	6	94	6	2				
	Vivian & Sons			3	5	3	0	35	4	3	===	515	5	3
	Nevill, Druce & Co			2	14	3 5	6	425	3	7			-	
	Ditto			3		9	6	91	3	7	200	516	7	2
Nov. 4	Sheldon, Bush & Co.	30	0		16	2	6	483	15	0				-
	Nevill, Druce & Co				6	2	6	126	4	4	-	609	19	4
1330, Feb. 4	Weston, Son & Co	. 70	0		17	10		1225	0	0				
84 000	Nevill, Druce & Co	. 30	12		6	12	6	202	15	5	=1	.427	15	5
April 3	Ditto			1		3	6		-	-	-	636	16	2
Jone 9	E. C. Goodhart & Co	. 49	4	3			6		-		-	707	12	G
	Nevill, Druce & Co				. 5		6		-		200	477	5	9
	Ditto			2					-		-	649	19	1
Dec. 6	Ditto	. 68	15		. 4			280	0	2				
	Panther Lead Co		4		15	5	0	597	13	1	=	877	13	3
1381 Feb. 2	Nevill, Druce & Co	. 37	14	0	14	11	6			10				
1 10 16	- Ditto	. 62	7	3	. 7	- 8	6	463	1	9	2:1	.012	1	7
April 29	Ditto (Copper)	. 8	14	0	. 6	14	0	,	-		NUMBER OF	58	1	4
May . 16	Ditto	. 43	10	2	. 14	15		642	14	3				
	John Brown	. 55	17	2	. 6	15	0	376	17	6	=1	,019	11	9
June 22	Nevill, Druce & Co	. 40	1	3	14	13	6		_		-	588	4	5
July 1	John Brown	. 22	17	1	. 5	5	0		-		===	119	16	3
Bept. 10	Nevill, Druce & Co.,	. 40	0	0	14	18	6	597	0	0			-	
	John Brown	. 50	0	0	. 5	2	6	256	5	0	=	853	5	0
Nov. 20	Nevill, Druce & Co.,	. 30	11	0	. 18	0	6	550	3	10				
8.2 111		52	4	3	. 4	15	6	249	7	7	=	799	11	5
														_

The February sale, 35 tons , April , 95 , , , June , 90 , , 90 , , June , 90 , , , } together £11,994 10 0 The August sale will be 90 tons or more for two months. A rise of 3l. to 5l. per ton in lead, with a small increase upon 90 tons bi-monthly, would at once pay a dividend, which, of course, might put shares to 2l. or 3l. each. It must not be forgotten their machinery is worth several thousand pounds. INVESTIGATOR. July 20.

HERODSFOOT MINE, AND CHEAP SHARES.

-Being an old reader of your Journal I have read the advertisements of Mr. Gould Sharp advising these shares, and an article in last week's edition respecting this mine, and I fully endorse the statements as to the cheapness of the shares, but what about the liability? I find the outlay to date very small, 16s. per share—say 10,500t. Well, this is very small considering the machinery, plant, &c., upon the mine could not be replaced under some 15,000t. I have also ascertained the sales of ore under the present company have realized over 14,000t, thus showing the mine is still rich. have realised over 14,000*l*., thus showing the mine is still rich, further the lead has sold as high as 18*l*. per ton being rich for silver, this is double the price of ordinary lead; in the former working the ore sold as high as 351, per ton.

ore sold as high as 35*I*. per ton.

I have seen their last balance-sheet in April, 1882, and find a call of 2s. 3d. per share cleared them of all liabilities, including the April costs and merchants bills paid to March. Upon enquiry I find the next meeting will take place in August. They will have two sales of lead ore to credit, and judging from previous sales these should realise about 1600*I*, therefore a call of 1s. 6d. should clear every liability up to end of July. I find few mines in a better position, and when I look down your Share List and compare many other mines, I fail to find one in such a prosperous state financially, taking into consideration the very low price of shares. There are 12,000 mines, I fall to find one in such a presperous state financially, taking into consideration the very low price of shares. There are 12,000 shares, and taking them at, say, 2s. 6d. each it is only 1500l, for the whole concern. I remember East Caradon shares being hawked about at 2s. 6d. in 1859, rising to 56l. in 1862, and paying large dividends. I remember East Van at 1l. each in 1875, and rising to 22l. in 1876, and later still Killifreth shares in July, 1881, being hawked about at 2s. 6d., and now they are 6l. per share and paying dividends. If Herodsfoot Mine were a new property lately started, expecting to cut a lode or lodes, and having all their machinery to erect, &c., it is possible they might not be cheap even at 2s. 6d., but you have a mine known and proved to be rich, 80,000l. at 2s. 6d., but you have a mine known and proved to be rich, 80,000.
having been paid in dividends upon 8700. outlay, and I find shares
rose to 52. each, with 8l. paid; therefore, the future prospects are
exceptionally good, the very fact of 90 tons of silver-lead ore being
raised every two months, with the lode still rich in the 215 south, the
shaft sinking to the 295 to est under this lode, and a mean of week. shaft sinking to the 225 to get under this lode, and a mass of unex-plored ground north serve to show Herodsfoot shares are what they esented to be, cheap and worth buying. A. D. July 21.

CORNISH MINING.

SiR,—"Market firm," market steady," market inactive," is the monotonous note appended to the share list in the daily local papers. A glance at the present prices compared with those of 12 months since will convince the most sceptical of the progressive advance in market value during that time, and the probabilities of most of them having reached their apex, hence the present apathy in the Cornish Mine share market. No longer ago than 12 months Killifreth shares were offered gratis and rejected; two months after, on discoveries being made, the shares advanced to 10s. each, from which point they have

ture to say, will again shortly experience an upward movement. Wheal Comfords were at that time about 3l. each, and rose quickly to 9l. on cutting a bunch of copper in the adit level, which could not be pursued in depth owing to inadequate pumping power; the consequence was shares receded in market value to 2l. each. The resuscitation of the Tresavean Mine, which adjoins it, will drain this, and enable them to sink and open out the ore ground without the aid of further machinery. Not a bad out-look here. I have long advocated the working of new or unwrought ground as being the least expensive, less risky, and safest medium of investment; it is to this class of mines attention should be drawn, there being several started within the last three years, their present prospects indicating to this class of mines attention should be drawn, there being several started within the last three years, their present prospects indicating a rise equal to any in the county during that period. The profit from a small outlay on a purchase in these mines, which I could name, is more than commensurate with any that can be expected from the necessarily large outlay required for the purchase of high price shares. It is to the return to this class of mining property we must look for the enrichment of investors and the future of Cornwall's property.

CHARLES BANDEN. CHARLES BAWDEN. prosperity. St. Day, Scorrier, Cornwall, July 20.

REPORT FROM CORNWALL.

July 20.—It is impossible to get the full advantage, so far as the price of shares is concerned, of the recent advances in the tin market while affairs in the East still remain unsettled. Rumours that act upon the Stock Exchange reach through all the ramifications of monetary life; and, moreover, it would be of no use attempting to disguise the fact, even if we were so inclined, that the result of all but the latest batch of mine meetings have been in no way calculated to help matters forward. East Pool, however, has made a welcome change, and this, with the dividend in Mellanear, the prospects in Dolcoath and elsewhere, will no doubt make mining shares move a little, though there are a few concerns that will take a good deal to galvanise into life. No doubt, however, we shall be again discounted to a certain extent by the weather, unless a speedy improvement

When a mine can make profits under the adverse influences of the past quarter at the rate of just 48,000%. a-year, it is very evident not only that the mine has a long and prosperous career before it, but that there is still a long future also to Cornish mining. We hope that the East Pool facts and figures will be studied a little by those

that the East Pool facts and figures will be studied a little by those who are so ready to exclaim against the consequences of their own folly, and blame everybody and everything but themselves.

Labour difficulties it seems are still cropping up in our mining districts. There are not a few with regard to the employment of children, as Capt. Teague pointed out the other day, but these cannot be done away, and so must be made the best of. The drawback to which Capt. Craze called attention at the West Basset account is more serious, for if men will roam about from one mine to another instead of sticking to their work it is difficult, while there is plenty of employment, to see what can be done.

of employment, to see what can be done.

Now the Devon and Cornwall Central Railway from Lydford into Cornwall, via Gunnislake and Callington, is sanctioned, as it was pretty well sure to be, its promoters should feel that they are very largely indebted for that fact to the influence which the mining community of the district—lords and adventurers—have brought to hear and the very strong widenes they have given. We have that bear, and the very strong evidence they have given. We hope that by-and-bye this fact will be borne in mind. As a rule, however, railway companies have very short memories, and are very different in the committee-rooms of Parliament to what they are when their ends are attained, and they are in actual operation. We know of no ends are attained, and they are in actual operation. We know of no mineral district in England at the present moment to which the railway accommodation proposed will be of more advantage, and the advantage ought in all respects to be mutual.

Mr. Frecheville's report for the past year is exceptionally interesting and valuable, and shows, all things considered, a steady improvement in pearly all directions. The total number approved under

ing and valuable, and shows, all things considered, a steady improvement in nearly all directions. The total number employed underground in the Cornish mines in 1881 was 8388; aboveground, 7263; making a total of 15,571. Compared with 1880 there is an increase over all his district, which includes Cornwall, Devonshire, Dorsetshire, and a part of Somersetshire, of 2201 persons, or over 13 per cent. And compared with 1879 an increase of 4096 persons, or over 28 per cent. He has to chronicle a falling off in the production of black tin in his district. During the period of depression the producing capacity of the mines was taxed to the utmost, and large arrears of dead work will have to be performed before the output can be materially increased. In regard to accidents, Mr. Frecheville states that although one fatal accident caused the loss of eight lives—a rare event in his district—yet the number of casualties for 1881 compares not unfavourably with those of preceding years since the Act has been in force. The accident in which the lives of eight persons were lost was that at New Cathedral Mine, which occurred the persons were lost was that at New Cathedral Mine, which occurred the persons were lost was that at New Cathedral Mine, which occurred the persons were lost was that at New Cathedral Mine, which occurred the persons were lost was that at New Cathedral Mine, which occurred the persons were lost was that at New Cathedral Mine, which persons were lost was that at New Cathedral Mine, which persons were lost was the loss of eight lives. on Jan. 19, 1881, and was caused by an opening having been made into some old workings, which let in water and filled the 25 fm. level. A large percentage of the accidents is due to the carelessness of the men, and their violations of the rules laid down for their safety. This is especially noticeable in the case of accidents with explosives and Mr. Frecheville believes that if the agents of the different mine and Mr. Frecheville believes that it the agents of the duferent mines would make a practice of reading the special rules relating to explosives to the men once a month, it would be attended with beneficial results. He has only found it necessary during the year to institute proceedings in two cases. The first was that of Mr. S. Bennett, manager of East Blue Hills, St. Agnes, for three breaches of the Metalliferous Mines Act. The case was heard at Truro, but was dismissed on technical grounds. This prosecution, however, served its purpose, as Mr. Frecheville afterwards received numerous notices of the starting of only many purpose and restarting of only ones which pright purpose, as Mr. Frecheville atterwards received numerous notices of the starting of new mines and restarting of old ones, which might otherwise have gone on working for a long time without his know-ledge. Previous to this prosecution he had only become aware of the existence of certain recently started mines by the occurrence of accidents. The other prosecution was that of Mr. Peter Temby, manager of Herodsfoot. Mr. Temby was fined 15l. and costs. In his general remarks, Mr. Frecheville says the steady advance of the tin standards during the year from 88 cm. Jan. 1 to 106s on Dec. 31. his general remarks, Mr. Frecheville says the steady advance of the tin standards during the year, from 88s. on Jan. 1 to 106s. on Dec. 31, rendered the year 1881 a tolerably prosperous one in his district. Several old mines were re-opened and new ones started, so that there was no lack of employment for labour, and the working miner participated in the improved state of affairs, as he could now easily earn over 4l. per month. In using the boring machine a rapid means of clearing the ends of the headings of smoke and noxious fumes had been introduced at Carn Brea by Mr. Wm. Teague, jun. At Dolcoath, the deepest mine in Cornwall, over 390 fms. from surface, the telephone had been successfully introduced, the men at the bottom of the mine now heing able to communicate immediately with the of the mine now being able to communicate immediately with the surface. The advantage of this is obvious, especially in the case of underground accidents, and Mr. Frecheville hopes the example set by Dolcoath, in this respect, will be followed by other deep mines in

the district.

To-day is an important day in the history of Redruth, witnessing the formal commencement by Mr. Richard Tangye, of the Science and Art School building there, which has been so spiritedly undertaken and so successfully brought to a practical issue. We say in the history of Redruth; but the new effort will benefit the whole of the surrounding district, and must be a notable advantage in the training of our young miners. The site has really been given—for the terms are but nominal—by Lord Clinton, and is within a short distance of the railway station. The plans of the school indicate that it will be an imposing building, and in all particulars worthy of the purpose for which it has been designed. The dimensions will be 120 feet by 80 feet. Messrs. Hine and Odgers are the architects, and Mr. J. Hickes has contracted to do the structural work for 1100L, made, the shares advanced to 10s. each, from which point they have steadily enhanced in market value until over 6l. was reached and the mine was placed in the Dividend List; they have since receded a little, on the falling off in the ends on the eastern part. Three years ago this very date (which has caused me to pen these few remarks) I gave a list of mines for purchase at the following prices:—Carn Brea, then in 1000 shares at 234, now in 6000 shares, present price 12, or 72 for the original division; Cook's Kitchen, then 1l. 15s. each, now 38l. 10s.; Dolcoath, 35, now 72; East Pool, 93, now 55; West to accommodate 16 elementary and eight advanced students. All Basset, 43, now 10; South Frances, 73, now 12, have been 19. The whole of these mines have for a time had their rise, the latter, I ven.

all comers, but the committee expect that few pupils residing more three miles distant will make use of it. In this area, however, of whom more than 3000 than three miles distant will make use of it. In this area, however there is a population of 25,000 persons, of whom more than 3000 attend Board schools. The school will therefore supply the require attend Board schools. The school will therefore supply the requirements of Redruth, nearly the whole of Hlogan, and parts of Gwennap, Wendron, Kea, and St. Agnes. Art, it is pointed out, has been hitherto less encouraged than science in the district, probably owing to the want of a properly-lighted building where works of art could be suitably displayed. It is expected that the new art rooms will be used not only by the pupils, but also for occasional loan exhibitions

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

July 20.—This week's gatherings of the South Staffordshire trade have not been marked by great activity. But this circumstance does not create surprise, since it is rather customary than otherwise does not create surprise, since it is rather customary than otherwise the week after the Quarterly Meetings. Prices, however, have not given way. Indeed, pigs are here and there worth more money. The Tredegar hematites for instance are to-day priced at 67s. 6d.—a rise of 2s. 6d. per ton on the week. All-mine pigs stand at 67s. 6d. to 65s. per ton. One or two native pig makers are said to be making arrangements for damping down their furnaces. Derbyshire pigs 48s. 6d. delivered at works, or 1s. less if delivery only to railway stations is required. Notwithstanding the nominal rise of 1s. per box in tin-plates, supplies are still to be had at low rates. Welsh cokes delivered at Liverpool were quoted on 'Change to-day at 16s. 3d. per box, and charcoals at 19s. 3d. to 19s. 6d. Baldwin's East Worcestershire coke plates were nominal at 19s. The announcement this week that the waste which results in the working up of the this week that the waste which results in the working up of the blooms and ingots which have been made at Wednesbury by the basic process proves to be a serious drawback to the success of the process has occasioned some disappointment. Manufactured iron prices are generally unchanged on last week's basis. Sheets for the galvanisers, however are dearer in some cases by 5s. per ton, making singles 8f. 5s. to 8f. 10s. per ton. Large coal consumers in North Staffordshire communicate that they are buying at less money than ever before. casioned some disappointment. Manufactured

A somewhat unusual feature marked the applications for relief received by the committee of the South Staffordshire and East Worcestershire Mining Accident Fund at their Quarterly Meeting in Wol tershire Mining Accident Fund at their quarterly meeting in wolverhampton on Wednesday. Nearly everyone of the twelve deaths on account of which relief was sought, had occurred through falls of coal. A member suggested that the Press should be requested to insert a recommendation from the committee to the colliery-owners. insert a recommendation from the commendation of the district to take extra precaution in this respect; but after some discussion a fear was expressed that the meeting would be exceeding its powers if it didso, and eventually the matter dropped. The deeding its powers it it dissolated controlled in a unusually heavy, and none of the twelve applications being refused the grants totalled 641. 10s. This the secretary stated would necessitate the first overdraw at the bank that had occurred since

the fund was formed, and he asked the public for pecuniary aid
Two demonstrations of the North Staffordshire miners were l
early this week—one at Fenton, and the other at Port Hill. At
former Messrs. Woodall and H. Broadhurst, the members for St. former Messrs. Woodall and H. Broadhurst, the members for Bloke, former Messrs. Woodall and H. Broadhurst, the members for Bloke, were the principal speakers, and at the latter Mr. T. Burt, M.P., delivered the chief address. All the three members remarked upon delivered of the advantages which labour had obtained during delivered the chief address. All the three members remarked upon the political and other advantages which labour had obtained during the last 12 months, as evidenced more particularly in the Mines Regulation Act and the Employers' Liability Bill; and they expressed confidence in the ultimate passing of an amended Bill to the Employers' Liability measure, which had been prepared by the Parliamentary Committee, and introduced into the House by Mr. Burt. But for obstruction, it was stated, Mr. Burt's Bill would probably already have become law, and the Act it amended have been enormously improved. Mr. Burt said that the object of the measure was to prevent employers from compelling their workmen to contract out of the legal benefits which Parliament had conferred upon them. Increased combination among the miners was urged by all the speakers. STEEL FROM STAFFORDSHIEE PIG.—It appears that the result of the experiments undertaken to convert Staffordshire cinder big ender big ender by

of the experiments undertaken to convert Staffordshire cinder pig into ingot iron or mild steel is not generally satisfactory to the syndicate engaged in the operation. The probability of the metal superseding puddled iron is now considered to be very uncertain, and in any case remote. There appears to be no doubt that Bessemer steel of fair average quality can be made from cinder-pig by the use of the Thomas and Gilchrist basic lining and a free use of the use of the Thomas and Gilchrist basic lining and a free use of manganese, but the question of cost and adaptability to the wants of the district still remains to be proved. It seems that the waste of metal is a serious drawback, there being an absolute loss in converting the pig into hammered bloom of full 30 per cent., exclusive of scrap and waste steel; and the finishing process entails a further loss of 5 to 10 per cent., besides scrap. The metal also requires a slow soaking heat in the furnace or blacksmith's fire, and more labour in the manipulation than ordinary iron—practically, increased cost in fuel and labour. The quality also, according to present experience, deteriorates in welding, and although it may be partially restored by annealing, the trouble and expense of the latter process would be considerable. Mr. Hingley, and several other ironmasters who joined the syndicate, being now of opinion that the process will not have much effect on the Staffordshre iron trade, do not care to undertake the manufacture of Bessemer steel; but it is prowill not have much effect on the Standardshie from trade, do not care to undertake the manufacture of Bessemer steel; but it is probable that Mr. Hickman will promote the formation of a company for that purpose. It is admitted that there is a limited demand in the district for mild steel, and if it can be produced at a moderate cost, and of regular quality, the demand is pretty sure to increase.

The following important letter has been addressed to the Editor of the Birmingham Daily Post:—

INGOT-IRON FROM STAFFORDSHIRE CINDER PIG.

INGOT-IRON FROM STAFFORDSHIRE CINDER PIG.

Sig.—I shall be glad if you will allow me some portion of your space to answer the remarks of your correspondent on this subject. The information would seem to have been obtained from some one who thinks it his interest to prevent any company being formed to carry on the process in question. First, it is said that the result was not generally satisfactory to the members of the committee. Their names are Messrs. Heathfield, Crowther, Baldwin, Barker, Lloyd, Hingley, and myself. Mr. Heathfield wrote me, on July 3, "I am only surprised that the first trials showed such successful results, and I have perfect faith in the ultimate success of the process, as far as obliterating the present way of making best iron goes. I think common iron will die hard, but there is ample room for the process, without killing common iron at present." Mr. Crowther reports: "We sent most of the sheets to customers, but we have heard nothing for or against them. We have tried some curselves for tinning and terne coating, and they appear certainly equal to Siemens Martin. Under the hammer or coal test we can pronounce this metal the best we have tried." Messrs. Baldwin report that owing to their works being stopped for stockstaking they have been unable to make any trial. Mr. George J. Barker has agreed to be a director of the company. Mr. W. B. Harrison (Jno. Russell and Co.) reported: "Rolled well into stript, loss 3 per cent.; two 1 in. tubes, but welded, one isplit in two of weld at 5 tons pressure per square inch, the second tested to 5 tons did not split. Mem.—I believe the ordinary test pressure is much less than 1 ton." Mr. Harrison was from home when our last meeting was held, and I have not heard from him since, but I understand that he intends to join the company. Mr. Zachary Lloyd (Nettlefolds) has agreed to join the board provided the site chosen is accessible to the West Mid-land Railway, on which he lives. Mr. B. Hingley stated at our last meeting that he should be willing to join

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will be taken by the board of directors. The selling price of the pig used is about 5s, per ton less than Middlesborough pig at Middlesborough, and 15s, per ton less than Bessemer pig in Cumberland, and it having been proved thoroughly suitable for the purpose there can be very little doubt of a profitable

result.

The question is whether or not Staffordshire is to be, as heretofore, the last to adopt any improved method, or whether we shall make an effort to retain the trade that is left to us. The success of the process is proved beyond doubt, and attested by the fact that it is being used in the manufacture of nearly 10,000 tons of steel and iron a week. If we adopt it, Staffordshire will have a new least of life; if we stand aside, and let others anticipate us, our trade will dwindle away. For my own part, I have taken the matter up warmly, because, in the first place, I believe it will be very profitable to those who reap the first pruits; and, secondly, because I have too large a stake in the district to stand tamely by while all my plant and outlay is reduced to the value of old materials. Beyond this I have no interest whatever in the adoption of the process.

Kensington Fulace Gardens, London, July 19.

TRADE IN SOUTH WALES.

TRADE IN SOUTH WALES.

July 20.—Prices have again assumed a firm position in the steam coal trade, and the exports have been heavy. From Cardiff there have been sent away 133,300 tons foreign and 15,570 coastwise; Newport, 27,640 tons foreign and 17,771 coastwise; Swansea, 26,315 tons foreign and 10,271 coastwise. Prices range from 8s. 6d. to 12s. 6d. per ton, according to quality, but good colliery screened may be quoted at 11s. per ton. The iron and steel trades of the district are healthier in tone than for some time past, but prices keep low. Cardiff has not sent away much during the past week, but Newport exported 1600 tons to Cape Town, 500 to San Francisco, 750 to Venice, and 100 to Bayonne. Of iron ore Cardiff received 14,653 tons from Bilbao and other places, while Newport received 12,013 tons from Bilbao and 3325 from other places. Prices range from 18s. to 15s. 3d. per ton. The Blaenavon Works find a difficulty in keeping their furnaces going, owing to the exodus of Irish labourers, who have made themselves obnoxious to the Welsh and English by their quarrelsome disposition. Most of the rough work is done by the Irish, and it will be difficult in a moment to supply their place. The tin-plate industry is at last assuming a better tone, and prices are firmer, with a rising tendency. Good coke-made are 16s. per box at Liverpool, and charcoal-made from 21s. to 22s. A good understanding in this constantly expanding trade is all that is required to make it a successful one; at the same time care must be taken to prevent interlopers from sending inferior goods to the United States marked with the brands of the best makers.

The Bute Dock Bill is now before a Committee of the House of Commons, with Sir J. Selwin Ibbetson as Chairman. The promoters have the buik of the steam-ship owners on their side, while the freighters and trimmers oppose. The wonderful success of the coal trade at Cardiff has aroused the jealousy of Swansea, and the passage of the Rhondda and Swansea Bay Railway Bill through Parliament ha

About mid-day on Tuesday a serious accident occurred at Tylacoch Colliery, Treorky, the property of Mr. Thomas Jones. It was
caused by the breaking of the two round pit ropes. The first broke
when the cage had only just left the bottom of the pit. The engineer (Daniel Jones) then attempted to reverse the engine, but before
he could do so he was thrown from his seat, owing to one of the
laggings getting loose and coming in contact with his seat, which is
very near to the drum of the engine. Before he was able to get up
the other rope had broken. In addition to the ropes, the lever of
the throttle valve was also broken. The cages fell into the pit
with a tremendous crash. Mr. Thomas Thomas, the manager, descended through the upcast pit, and instructed all the men to be
prepared to be brought out through the same pit. All the men
were safely brought to bank. The colliery is again in working order.

TRADE OF THE TYNE AND WEAR.

TRADE OF THE TYNE AND WEAR.

July 19.—Affairs in Egypt still continue to engross a considerable amount of attention here. There is no part of the kingdom more interested, financially speaking, in the Eastern quarrel than the merchants and shippers from the Tyne and Wear. A large portion of the mineral and manufactured produce is exported from these rivers to that part of the globe, and a very large trade is done with Alexandria. The latest accounts which appear to show that the Suez Canal Is still open has given much satisfaction. If there had been a declaration of war this would likely have led to complications between the shipowners and the underwriters. Insurance offices, of course, demand higher rates for war risks. Freights have risen very considerably all round. The best steam coal demand continues vigorous. The output at the whole of the collieries has been very large during the past fortnight, and there is an active demand for both best steam, small, and manufacturing coal of all kinds. In Durham most of the collieries are also well employed; the demand for gas coal is improving, and there is a good demand for coking coal and for manufacturing coal for the ironworks and other local manufacturers, as well as for export, coastwise and foreign. There is an excellent demand this shipping season for fire-bricks, and all kinds of fire-clay good. Most of the yards on these rivers are well cleared of this description of goods, and there is abundant employment in hand for all those works. It is worthy of note that very few shafts have been sunk in this great coal field during the past few years, and as most of the works may be now considered to have reached the maximum output of coal that they are capable of producing the value must certainly improve if the general trade continues to improve, as it has done during the past two years.

The new shaft is approaching completion at the Seaton Burn Colliery—a well know Hartley steam coal works belonging to Mr. John Bowes, and patters. At Dudley, in one of the Crambing

probable that the total output will be raised to a point almost unprecedented in the history of the coal trade. At the Shire Moor
Colliery, a few miles north of the Tyne, a new shaft was commenced
some time ago, but the operations were stopped owing to the depression of the trade. Operations have, however, been resumed
lately, and the shaft will now be put down as speedily as possible.
This work was commenced during the great coal famine in 1873, but
it was an old colliery reopened. Coal was worked in Shire Moor in
very early times. A considerable quantity was, however, left by
the old men, both steam and other description.

The Northumberland Miners' Union annual meeting was held on
Saturday; this was the nineteenth meeting of the members of this

Saturday; this was the nineteenth meeting of the members of this society. Mr. Burt, M.P., Mr. Crawford, of Durham, and others addressed the meeting. Mr. Burt alluded to the long-standing distance of the meeting. addressed the meeting. Mr. Burt alluded to the long-standing dipute in the county respecting the payment of house rent to the miners; the rule is generally to provide the men with a house and coal, but when the number of houses have been insufficient for the number of men the custom has crept in for the men to provide houses for themselves and the masters refuse to allow the men money to meet this cost, although up to a recent period it was the custom to do so, no doubt that sooner or later this question would have to be dealt with. Mr. Sedley Taylor brought before the meeting a system of remunerating labour, which, he said, had proved very successful, and had been largely introduced on the Continent into industrial undertakings, especially in France. This system

consisted in giving the workmen a portion of the profit earned in addition to the usual regular scale of wages. Mr. Taylor did not state whether this system had been introduced in connection with any of the mines in France. A system of this kind was, we believe, introduced into some of the industrial establishments in Paris many years ago, but with what success we have not been able to learn. All the speakers expressed dissatisfaction with the rate of wages now paid to miners in the district, but this cannot be remedied unless a substantial rise occurs in the value of coal, and there does not at present appear to be any immediate prospect of this being accomplished.

The iron market appears to have recovered the depression observed at the quarterly meeting arising from the disturbed state of affairs in Egypt, Cleveland iron has been bought largely for the Continent. The price is very firm, at 43s. 6d., No. 3. In some cases 3d. more is got. The stocks of Messrs, Connal's stores again show a affairs in Egypt, Cleveland iron has been bought largely for the Continent. The price is very firm, at 43s. 6d., No. 3. In some cases 3d. more is got. The stocks of Messrs, Connal's stores again show a reduction of 1029 tons. The trade generally looks better than for some time. There is a stronger demand for pig iron, and more enquiry for manufactured iron. Steel making continues to be developed. The Skerne Ironworks Company intend to commence making steel plates for shipbuilding; at present they make a large quantity of iron plates. The announcement of the failure of Messrs. Muller and Co. for 200,000l. has caused a painful feeling and some surprise. The unsecured creditors stand for heavy amounts in the aggregate. Iron ship-plates are 6l. 15s., boiler-plates 7l. 15s., bars 6l. 2s. 6d. The coal and coke trades at Middlesborough are unchanged.

plates 71. 15s., bars 61. 2s. 6d. The coal and coke trades at Middlesborough are unchanged.

Mr. W. B. Beaumont, M.P., and the parties who projected a limited liability company to take over the Weardale Lead Mines have come to terms with the Ecclesiastical Commissioners, and the arrangements for forming the company will now be carried forward, and in a short time the whole of the mines of Mr. Beaumont will be transferred to the new concern. New and more liberal terms have been made with the Ecclesiastical Commissioners, which will enable the company to conduct the works with energy and warrant them in making extensions. This intelligence has, of course, been very acceptable to the industrious inhabitants of the Weardale Valley.

REPORT FROM NORTH WALES, SALOP, AND CARDIGAN.

REPORT FROM NORTH WALES, SALOP, AND CARDIGAN.

July 20.—The magnitude of the work in which the Corporation of Liverpool are engaged in bringing a supply of water from the River Vyrnwy, in Montgomeryshire, to their city may be estimated from the statistical report which has just been printed and circulated by the order of the Council. From this document it appears that to March 31 last 103,349/. 11s. 10d. has been expended in the purchase of the land comprising the watershed of the River Vyrnwy and the site of the reservoir, together with the purchase of lands for the pipe line, with easements and compensations. For the various works in connection with the excavation of the foundation for the masonry dam, with plant and machinery, also houses for workmen, offices, stables, houses, harness, carts, and carriages, with permanent roads and repairs, 43,970/. 0s. 5d. For the quarrying operations with the construction of a railway connecting the quarry with the masonry dam, and the purchase of plant, materials, and machinery for working the same, 8212/. 9s. 6d. On the line of pipes towards Liverpool, including the outlet of the great tunnel by Hirnant, 93,382/. 0s. 6d. has been spent. Contracts to the amount of 297,886f. 6s. have been entered into for the supply of pipes and the construction of tunnels. Thesesums with some smaller items make a total sum of 547,144/. 18s. 1d. spent and liable for up to March 31 last. Among the contracts those for the tunnels will have most interest for the readers of the Journal. The Hirnant Tunnel, 3600 yards long, through slate, shale, fine gritstone, and ash is let to Mr. F. M'Culloch for 28,800/., or 8l. per yard. Two tunnels near to each other known as Cynynwn and Llanfordu, through limestone and sandstone, with a united length 3129 yards, have been let to Messrs. Gabbutt and Owen for 21,900/., or 7l. per yard.

Dr. Foster explains that the returns of limestone given in his re-

yard.

Dr. Foster explains that the returns of limestone given in his report, and referred to by me last week, relate to the underground quarries only. As with the slate quarries so with stone quarries, it is very desirable that arrangements should be made by Government by which full returns of production might be obtained. I should also explain my satisfaction that so few females were employed about mines arises more from the fact that Welsh girls are in such good demand for domestic sevants and other more distinctively feminine employments, rather then from any idea that ore dressing is at all degrading or unhealthy. Among the miscellaneous minerals referred to in Dr. Foster's report, I may notice that 289 tons of manganess were derived from Nant Uchaf Mine, near Abergele, last year. This mine is worked in beds answering to some parts of the

year. This mine is worked in beds answering to some parts of the Devonian series, and which in North Wales lie between the carboniferous limestone beds above and the Wenlook or Ludlow rocks below. The mineral occurs with hematite in portions of the beds themselves, and it is believed there is a large quantity available. A similar deposit, now worked for hematite only, occurs in the same beds near Llangollen, and it would seem as if these basement beds of the limestone deserve more attention than they have hitherto hed. beds near Llangollen, and it would seem as if these basement beds of the limestone deserve more attention than they have hitherto had. Then there are 60 tons of phosphate of lime. There are, it may safely be said, a couple of million tons of this mineral in North Wales, and if cheap means of transit were possible, and the prejudice occasioned by the careless way in which the first consignments from the Principality were sent off were only overcome, a large and profitable trade would ensue. Its time will come. Then there is the interesting cobalt mine near Rhuddlan, to which reference has been made, from which 63 tons 14 cwts. of ore was raised last year. There is also the peculiar Welsh mineral, the bluestone of Anglesey, of which 3728 tons were raised, with 3107 tons of iron pyrites from There is also the peculiar Welsh mineral, the bluestone of Anglesey, of which 3728 tons were raised, with 3107 tons of iron pyrites from Carnarvonshire. Large quantities of barytes also are produced from the mines between Middleton and Chirbury. These references show that besides the leading minerals of copper, lead, and zinc, a large trade may be cultivated in the cheaper but more plentful minerals. The charge against the Hon, George Trevor and John Williams for manslaughter at Ifton Colliery, was dismissed by the Oswestry magistrates last Thursday, the Chairman remarking that the colliery was very badly worked.

SMOKE ABATEMENT.—The distribution of prizes and awards in connection with the recent Smoke Abatement Exhibition at South Kensington took place at Grosvenor House, under the presidency of the Duke of Westminster, on Friday afternoon. There was a large attendance. His Grace, in opening the proceedings, said that the exhibition, although perhaps not so interesting as flower or cattle shows, had been very satisfactory. It had been visited by no fewer than 116,000 persons. The question of an open grate was an unsettled one, but he regarded the desideratum to be a grate which should be sufficiently open to show a bright fire which should be should be sufficiently open to show a bright fire, which should be smokeless, and which should secure economy of fuel. That result had, however, not yet been completely attained, but when it was realised the question would arise as to whether it should not be made compulsory. Mr. Ernest Hart, as Chairman of the Smoke Abatement Exhibition committee, said that the exhibition was an interesting one, and that so numerous and various were the kinds of apparatus at to necessitate about 1000 analications of the total 200 to necessitate about 1000 applications of the tests. The experiments were conducted by Prof. Chandler Roberts and Prof. Franklin as to the economy of fuel, &c. The exhibition had shown that smokeless kitcheners were possible and could be fitted to any house. The consumption of gaseous fuel afforded the most promising solution of the problem how to relieve cities from the nuisance of smoke. The committee had decided, if they could find sufficient support from the public, to form an institute among whose objects would be to promote the better utilisation of coal and coal products—to determine practically and scientifically the means actually available for heating houses as at present constructed without producing smoke, by enabling the committee to examine the subject generally and report for public information. After Mr. Henry Phillips had given a report of the success of the Manchester Smoke Abatement Exhibition, Lady Grosvenor presented the awards and prizes, the special Dr. Siemens prize of 100 guineas for the best utilisation of coal being divided and awarded to the Dowson Economic Gas Company and the Falkirk

Iron Company, while the Ladies' Prize of 50 guineas for the best smoke-preventing coal-burning kitchener was divided between J. F. Constantine and the Eagle Range Company, and presented by Miss Shaw-Lefevre. Prof. Abel then moved the following resolution.—
"That it is desirable that the work thus far carried on by the Smoke Abatement Committee be continued, and for that purpose a Smoke Abatement Institute be formed." Mr. Norman Lockyer seconded the motion, and said that there were numerous points of view in which the country might derive great benefits from the removal of the smoke, and among them scientific benefits. It was part of his official work to observe the sun, but owing to the smoky atmosphere which we had almost always over London, he could only perform his inspection once a week, and often once a month only. He believed also that a sunless place was a joyless place. The motion was carried, and a vote of thanks was passed to the Duke of Westminster for re siding.

THE WILD DUCK, OR SPORTSMAN'S ARMS.

"What's a caunter locke (uncled Henney?" "Why the'er't old enuff and ugly enuff, Old Tom, to know what a caunter locke as a well as I do." Well, so I thort I ded to," asys Old Tom, "till I heer'd our boy Jacky readin in the Mining Journal that a caunter lock eft run boy Jacky readin in the Mining Journal that a caunter lock eft run boy Jacky readin in the Mining Journal that a caunter lock eft run Henney, "but a cross-coose running right athurt, for a caunter is slanting, or caunting a east and west lock, and another lock running north-east and south-west-slanting the east and west lock—the north-east and south-west-slanting the east and the lock of the lo murders, crimes, and outrages would never have occurred but for the blundering of an imbecile Government. Talk of conciliation! Faith, it's nothing more or less than giving encouragement to bad men. Let stern justice to all classes first be done, and there will be an end to stern justice to all classes first be done, and there will be an end to humbug and the farce of conciliation; but it is not justice to rob one man and give the plunder to another. A set of milk and water patriots will tell ye that 'force is no remedy,' but I tell ye that there is no remedy in my country without force,' and if force had been employed, and justice—even-handed justice done two years ago—the horrors and crimes which have disgraced Ireland for ever and shocked the significant world would have been revented. I know it and every the civilised world would have been prevented. I know it, and every loyal and disloyal subject in Ireland knows it to be a fact. The Government stood still while the innocent blood of rich and poor was poured out like water, and then talked of conciliation, and held out the right hand of friendship to the arch aiders, abettors, and fermenters of all the crimes and outrages that have occurred. Bose,

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water measures will not do for my country so long as the trade of regitation is allowed. The people have been deceived and deluded into the belief that the land belongs to themselves. They would be quite peacable and honest if left alone; but no sooner are they set ted down in peaceful industry than up starts agitators in all directions, teaching them rank sedition and disloyalty, and the result is the country is continually in a state of chronic and incipient rebellion. A firth and just Government would not send traitors to jail and let them out again, but as soon as ever an agitator crops up put lith where it would never be in his power again to do mischief. This, we forced is the remed for Ireland? "Well, Mr. Donohoo" say Thin where it would never be in his power again to do mischief. This, 'my friends, is the remedy for Ireland." "Well, Mr. Donohoo," says 'Goush Will, "I and Jan, sure we are all very glad to see you again, and thank you for your remarks about Ireland; and as Talleyrand once remarked in reference to an occurrence in Paris. He said—'it was worse than a crime, it was a blunder,' and, no doubt, our Government with regard to Ireland 'is worse than a crime, it is a blunder from this irecombinity to the present moment." Becky help brought der from the beginning to the present moment." Becky here brought in a fine bowl of punch, which was much relished by all present, and then all separated after a very pleasant mittin—From Cousin Jack's Unpublished MSS.

Meetings et Bublic Companies.

THE MYSORE REEFS GOLD MINING COMPANY.

THE MYSORE REEFS GOLD MINING COMPANY.

The adjourned general meeting of shareholders was held at the Chy Termin's Motel, on Tuesday.

Colonel C. S. BLARR in the chair.

After the notice convening the meeting had been read,

The Cularram and Comparison of the meeting had been read,

The Cularram and embarrassing circumstances, but he fest that if he had felter in the meet them he would have been guilty of a gross breach of Confidence towards them. When they separated that day three weeks he was in bepes that in the interval they would have been able to reconstruct the board of the satisfaction of all parties, and have taken the bear of the satisfaction of all parties, and have taken the satisfaction of all parties, and have taken there weeks he was in bepes that in the interval they would have been able to reconstruct the board of the satisfaction of all parties, and have taken these significant of the satisfaction of all parties, and have taken the satisfaction of the board. As to the fifth member of the board, his only wish was to sactive the Evrices of the best independent shareholder who would consent to act. On the last occasion he need a loss majority on the beard, with Mr. Sterned that they had added Mr. Harvey's brother, Mr. Price, and Mr. Snell and diltional members of the board. In the letter had issued he had endeavoured to explain as clearly as he could what had occurred since they last met, and he had only to explain to them under what circumstances Messra. Harvey and Gray had compared to the satisfaction of the satisfaction of

move a resolution.

Mr. Prosyn proposed that the report and accounts be not passed, remarking that it appeared to him that there was only one member of the board properly constituted.——Mr. Stillwell seconded the resolution.

Mr. Skell requested permission to say a few words as his name had been freely used, and in reply to a shareholder said that he was the holder of five charge.

chares.

Mr. Low would like to ask the gentleman at what date his name was p
on the register?——The CHAIRMAN: Will you furnish Mr. Low with

Mr. Low would like to ask the gentleman at what date his name was placed on the register?—The CHAIRMAN: Will you furnish Mr. Low with that information?

Mr. Low would like to ask the gentleman at what date his name was placed on the register?—The CHAIRMAN: Will you furnish Mr. Low with that information?

In the company of the company

in the London market. There was no doubt that the meeting of July 2 was legal, otherwise Messrs. Foakes and Angus would not have left the ship.

Mr. Foaks so observed there was no doubt a larger amount of voting power than 50 soles. As the state of the

nelieved that if a majority of the shareholders were against the petition it would be dismissed.

Alt. ANDREWS lelt that Mr. Snell had presented them with gratuitous advice, which was about as valuable as such advice generally is. As to his statement that he present meeting was lilegal, he would turn to the notice by which this general meeting was called. It was to receive and consider the annual statement and balance-sheet, the report of the directors and auditors, and to elect lirectors and other officers in the place of those retiring by rotation, as well as to transact the other business of the company.

Mr. Syell said he had simply stated that the meeting was Hegal upon the opinion of counsel. Was it to be supposed that the Court of Chancery would support such an election, which depended simply on the operations of a section indicten in the Articles of Association, and which was overriden by a former section.

opinion of counsel. Was it to be supposed that the Court of Unancery would support such an election, which depended simply on the operations of a section hidden in the Articles of Association, and which was overriden by a former section.

Mr. ANDREWS, in answer to Mr. Snell, said he prepared the Articles of Association. He submitted that it was not so very clear a case that the meeting of June 26 was not properly adjourned. He thought that the Court would express a strong opinion as to the course Messrs. Harvey and Gray had pursued, by going behind the backs of their fellow-shareholders, when there was a distinct understanding that there should be an adjournment—instead of which, without any communication, they had held a meeting which they discovered, at the last moment, should be held and declared that they were appointed.

Mr. HENDERSON thought the only justification for the meeting held on the 3rd inst. was the supposed discovery that, if the meeting had not been held, the not retiring directors would have their offices filled up, and therefore their legal position as directors would have their offices filled up, and therefore their legal position as directors would have their offices filled up, and therefore their legal position as directors would be continued until the general meeting a year hence the posts of the retiring directors ought not to have been filled up at the meeting at all. The meeting was adjourned for the investigation of the accounts and for communicating with certain shareholders, to see who were the best men to be appointed. He refrained from imputing any motives of a hole-and-corner meeting to Messrs. Gray and Harvey or Mr. Snell, and he thought their action was one to be condoned by the general body of shareholders.

The resolution was then put and carried unanimously.

The CHAIRMAN observed they could make a selection that day from the list given, according to the Articles, 14 days previous to their annual meeting. Would some gentleman move a resolution on the subject?

Mr. RENDOLPH

tion to the amendment, as it would be simply playing into the hands of Mr. Harvey and his party.

The CHAIRMAR wished to explain once more his position before the amendment was put. It would leave him and Mr. Harvey and Mr. Gray, the three members of the board, a power to elect two other directors, and as to who they would probably be they might imagine from the course Messrs. Gray and Harvey had already adopted by electing Mr. Harvey's brother, Mr. Snell, and Mr. Price. He would then be in an absolute minority.—The amendment was then put and lost, the original resolution being carried with two dissentients.

The CHAIRMAN observed that that brought the meeting to a close, and probably they would think what had been done was practically nothing at all. He would propose that the present meeting having closed should form itself into a private meeting to consider the question in all its aspects.

A private meeting then took place, at the close of which a very hearty vote of thanks was passed to Colonel Blair as Chairman of the two meetings.

KOHINOOR SILVER MINING COMPANY.

The annual meeting of shareholders was held at the company's ffices, Union-court, Old Broad-street, on Wednesday,
Mr. JOHN ELLIOTT in the chair.

Mr. John Elliott in the chair.

Mr. J. Cruikshank (the secretary) read the notice convening the meeting, and the report of the directors was submitted.

The directors reported that before operations could be satisfactorily prosecuted, it was necessary to erect a boarding house to accommodate the men, and this was not completed till March 7. Up to that time only four miners were at work, and the two men employed on the 110 level east came on a very rich body of ore, assaying 400 cos. of silver to the ton, which yielded 11 tons, realising 511. by the end of March. Buch a result raised great expectations of immediate success, but the rich mass of ore in question did not prove to be continuous. Mr. T. Rickard, the consulting engineer of the company, visited the nine at the time and reported that from the appearance of the lode and the fact of the richest portions of the ore mined, being composed of soluble saits of silver, that, in his opinion, this had been dissolved in the portion of the lode within reach of exterior influences, and washed down to lower strata, where he considered it would be again met with; his advice, therefore, was that a steamengine should be erected at the end of the tunnel and a shaft sunk from that level. In the meantime, he decided to lesse the 110 level to tributers on terms of their paying to the company one-fourth of the ore extracted. The steam engine was purchased and fixed, and the shaft sunk 130 th, very rich stones of ore assaying from 300 to 1300 czs. being met with in its progress, but not as yet in avving quantifier. It was not, however, until Dec. 13 last that formal possession was obtained.

For a time operations were continued at both mines, but as the Donaldson

The new tunnel will strike the Donations vehi about 20 it. Can be a many main shaft, and will thus be about 1600 it. below the apex of the lode. A powerful steam-engine and hoisting works are in course of erection ever the Donaldson main shaft, and will probably be in work in a few days, when new drits will be started from the 200 it, level in shaft.

The CHAIRMAN said: Gentlemen, our meeting to-day is somewhat after the time at which we hoped to have met you, and some little explanation is perhaps due to you as to how this has occurred. It happened in this way, that from circumstances which it would be too long to go into in detail, we did not get the accounts over from the other side till nearly the end of May, and then as my friend, Mr. Sands, who had been out there for three or four months, announced his intention of coming back and bringing us some most important news, we thought it most desirable that you should have the opportunity of hearing his statements directly. Unfortunately, he was taken ill about a fortnight before his intended departure, and that delayed the meeting again for another three or

tunntelly, he was taken ill about a fortnight before his intended departure, and that delayed the meeting again for another three of lour weeks. However, there has been this aivantage attending the delay, have purposely kept our proceedings as quiet as possible, as we did not want is draw public attention to the company more than we could help, because we were so attended to the company more than we could help, because we were so making the control of the country of

miles to the Idaho mills, while the smelting ore is being sent to the Argo, or Boston and Colorado works. Now, that costs us something like \$4 s. ton for the smelting ores, while the concentrating ores are treated at about \$3 the ton. There is a probability that we may be able to purchase the Idaho mills. It will be absolutely necessary to have our own reduction works, as Mr. Rickard always recommended, when we simply only held the Donaldson Mine, for this reason that when you send your ores to be milled—of course you know the way it is done-each party chooses an assayer; samples are taken, and you have to accept the balance of those assays as the rate at which they are to pay you for the ore taken. That requires an immense amount of care to begin with, in selecting the ore, and it also needs a perfectly good understanding with the works to which you send the ore that they will do justice to you. They also take good care to put a high rate of profit on what they do. That arrangement involves the necessity of being specially careful in the selection of ore, and no doubt in that operation a great deal of waste takes place, and we think that by owning our own works we should save some thousands of pounds a year directly, and indirectly a great deal more. Then these Idaho mills are so eituated that they command a good deal of custom work, and would pay extremely well on that head alone. Arrangements are now in progress to get an offer of these Idaho mills.

Mr. Walker: What is the supposed cost of the mills?—Mr. Saxpa. Ye

Mr. WALKEE: What is the supposed cost of the limits?—Ar. SASMET. Would not exceed SOUG.

The CHAIRMAN: Mr. Rickard speaks in the highest terms of the way in which these mills had been put up. He says the work is quite a model, and I am sure he will think it a very fortunate thing if we can obtain possession of them.

Mr. WALKEE: Are they near our mines?—The CHAIRMAN: They are about three miles distant, but they are in the best position they could possibly be in. We could put up a mill of our own on the last location we have taken, but the supply of water there is very uncertain, whereas in the town of Idaho itself there is an unfailing supply. The mill is in the most favourable position posible, and we should have endeavoured to select a similar position if we had had to put up a mill of our own. I think if we can add that to our present holding we shall have a most complete business, and one that can be worked to very

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would be a very desirable investment at the price at which he believed he could secure it.

Mr. Walker asked whether the mill had been erected many years?—Mr. Bands replied that it had not been erected many months. The cost of the erection had been shout \$20,000. About 70 to \$0 tons of ore from their property had been treated at the Islaho mill; but it was only just getting under weigh. The mill was most favourably situated in every way. With regard to the appointment of Mr. Alfred Rickard, he thought that was a most fortunate circumstance. Mr. A. Rickard, besides being a first-rate miner, capable of understanding all the technical work in connection with the property, was an experienced assayer, and would quite save his salary by the assays he would be able to make for them. He (Mr. Sands) thought that the wisest policy had been adopted in reference to the Kohinoov Mine. He believed that within the next 100 ft. of sinking in the mine they would come upon a settled run of ground, and that some very valuable deposits would be opened up.

Mr. Walkers: How far are the mines apart?—Mr. Sands: About 13 miles. They are connected by railway.

Mr. Alkmax: Are there any properties intervening between the Donaldson Mine and your new purchases?—The Chalendan: No; we have the complete series.

retiring by rotation.—Mr. Sanns seconded the proposition in highly complimentary terms, and having been supported by Mr. Alkman and Dr. Mayburn it was carried.

mentary terms, and maying occur supported by
the was carried.

The Chairman, in returning thanks, contrasted the position of the company
with that of many of the Indian gold mining companies.

On the motion of the Chairman, seconded by Mr. Unwick, Mr. James
Cooper was re-appointed auditor.

Cordial vote of of thanks were passed to Mr. Sands and to the Chairman and the
other directors, and the meeting then closed.

THE ISABELLE GOLD NO SILVER MINING COMPANY.

The ordinary annual general meeting of shareholders was held at the offices of the company, Palmerston Buildings, Old Broad-street,

The Right Hon, the Earl POULETT (Chairman of the company)

The Right Hon, the Earl POLLETT (Chairman of the company) presiding.

Mr. W. G. CHALMERS (the scoretary) read the notice convening the meeting. The report of the directors having been taken as read, the secretary read the audited balance-sheet.

The Gladham as said: Gentlemen, Jahal Inhappy to drawice sity The Gladham as selected to the control of t

make out we shall be making a profit of \$400 per day. —Mr. CHALMERS: xes; that at any rat.

Mr. WM. Shith: I see one of the authorities says the presence of gold and silver is accidental. Let us suppose that we fall on the unfortunate accident that we miss the gold and silver. Would the copper give us a dividend without the gold and silver? —Mr. CHALMERS: I have no doubt it would, but the term "accidental" has reference only to the enargite portion of the ore. Moreover, we are in a crossing of an east and west copper with a north and south gold and silver lode. I have tons and tons of iron pyrites raised which contains more than an ounce of gold to the ton, and these I intend to work when I treat the 40 tons of ore a day.

A SHAREHOLDEE: Is the Stella Mine secured? —Mr. CHALMERS: Yes; since

mill was most favourably situated in every way. With regard to the appointment of Mr. Alred Rickard, he thought that was a most fortunate circumstance and the standard of the property, was an experienced assay. A Rickard, he thought that the wisest policy had been adopted in reference and would quite save his salary by the assays he would be able to make for them. In which the mext 100 ft. of sinking in the mine they would come upon the best terms. Money must be had. He was an original share would quite save his salary by the assays he would be made for them. In which the mext 100 ft. of sinking in the mine they would come upon the best terms. Money must be had. He was an original share the chimical work in connection with the property, was an experienced assay. What would the particularly wedded to his own scheme, nor the mine they would come upon the best terms. Money must be had. He was an original share the chimical work in connection with the property, was an experienced assays he would be a matter of the shared that the property, was an experienced assay. He was no riginal share the chimical work in connected by rather than the property, was an experienced assays he would be a matter of the shared the particularly wedded to his own scheme, nor the particularly wedded to his own scheme, we have listened to you with a great the mine they would come upon the best terms. Money must be had. He was an original share the chimical work in connected by rather than the property, was an experienced assays he would be matter and the shared that the part of the shared the particularly wedded to his own scheme, nor the mine they was the best was the

per annum. In reply to the third query, I am glad to be able to say that the bullion output is steadily increasing.

A SHAREHOLDER: Can you inform me with reference to the tunnel whether you have ceased working in it or are still progressing?——Mr. CHALMERS: I ceased working there in December, 1880. That was what made me think of acquiring this Stella Mine. There was no assistance from here, and I had to do something or leave. I bought the mine for myself, but with the intention of giving it to this company if they would work it, and it is a lucky thing for us that they did work it. I knew it would produce bullion from the start.

Mr. Shiffif: Is there anything to prevent operations in the tunnel being resumed if you have the funds.——Mr. CHALMERS: No. Nothing.

The CHAIRMAN added that it would be for the shareholders, when the profits were realised, to say what should be divided and what placed to the prosecution of the tunnel.

Mr. SMITH asked how it was proposed to preceed with the religious of the shareholders.

were realised, to say what should be divided and what placed to the prosecution of the tunnel.

Mr. SMITH asked how it was proposed to proceed with the raising of the money?—Mr. SYME said the directors would be prepared to take applications for the unallotted shares and the bonus shares. If the shareholders did not previde the money it would no doubt be forthcoming privately.

The CHAIRMAN added that the shares would be allotted according to the applications, as it was desirable that they should have the money as quickly as possible. The shares would be issied at par.

Admiral SELWYN said the bonus certificate really reduces the price of shares to los each.—Mr. SYME remarked that the binus certificates on the cld shares were now ready.

Ch the metion of Armiral SELWYN, seconded by Mr. HAYMEN, a special vote of thanks was unanimously given to Mr. Ewst Chalmers, for his energetic conduct under difficult circumstances. A vote of thanks was also passed to the Chalman and directors, and the meeting then closed.

THE QUARTZ HILL CONSOLIDATED GOLD MINING COMPANY.

An extraordinary general meeting of shareholders was held at the New Exchange Buildings, George-yard, Lombard-street, on Tuesday, for the purpose of considering certain proposals for the reconstruction of the company,—Mr. FRANK POWELL in the chair.

Mr. J. JAMESON TRUBAN (the secretary) read the notice calling

An extraordinary general moeting of shareholders was held at the New Eschange Huitlings, decorperant, hombard-street, on Tuesday, for the purposs of considering certain proposals for the reconstruction of the company,—Mr. Hank Power Esch in the chair.

Mr. J. J.Ankson Thurnay (the secretary) read the notice calling the meeting.

This CHAIMAN said: Genitemen, I need not detain you to-day by dwelling upon our innancial position. When I last addressed you I went very fully into that matter, and the circular issued by the board with the notice calling this meeting gave you the history of what has taken place with reference thereto since then, and as the circular has taken place with reference thereto since then, and as the circular has taken place with reference thereto since then, and as the circular has taken place with reference thereto since then, and as the circular has taken place with reference thereto since then, and as the circular to the struction into effect, had not Mr. Henderson issued a circular to the shareholders, in which he sets out his objections to the where proposed to you yet be board, and state his intention of proneing to the circular, as a difference of the shareholders, in which he sets out his objections to the where proposed to you yet the board, and state his intention of proneing to the circular, as a difference of the shareholders, in which he sets out his objections to the where the set of the shareholders, and the set of the shareholders are set of the shareholders and the set of the shareholders are set of the shareholders and the set of the shareholders are shareholders and the set of the shareholders and the set of the shareholders are shareholders. It is shareholders and the set of the shareholders are shareholders and the set of the shareholders and the set

being found he should be happy to accept it. He read a letter from a holder of 11,000 shares (not vendors shares) approving of the scheme. He moved the resolutions given above.

Mr. MAISHALL seconded the resolution, and said the only object was to raise money upon the best terms. Money must be had. He was an original share holder, and should take his quota of the new shares.

Mr. Henderson said he was not particularly wedded to his own scheme, nor was he particularly wedded to any other. The shareholders should have particular means themselves of discussing the best scheme. Many of the shareholders would rather take their certificates than accept one-third part of a shareholders would rather take their certificates than accept one-third part of a shareholders would rather take their certificates than accept one-third part of a shareholders would rather take their certificates than accept one-third part of a shareholders would rather take their certificates than accept one-third part of a shareholders would receive to a fair scheme, although scheme, but the real question what was the best way to raise the money. He considered the scheme proposed by the directors was not a fair scheme, although he believed they had acted in good faith.

The CHAIRMAN said he might mention that the directors had received proxies for 40,000 shares from shareholders who had bought and paid for their shares, which showed that the scheme would receive a large amount of support.

Mr. HENDERSON said his great wish was to have the scheme more fully discussed before any decision was arrived at, and for that purpose he moved that the meeting be adjourned, and that a committee of seven gentiemen be appointed to meet the directors, and consider the best mode of raising the capital.

A long discussion ensued, chiefly on the point as to how the money could be the raised, on which point there was a considerable difference of opinion.

The following resolution, being a modification of the director's scheme, was carried unanimously:—

Dunhill be and are hereby appointed fliquidators for the purposes of carrying out such winding-up and re-construction. 3.—That the liquidators or liquidator be and are hereby authorised to carry out a sale of transfer of the company's property and business to a new company with a capital of 60,000. divided into 240,000 shares of 53. each, upon the terms following (with south modifications, if any, thereof not, however, being substantial variations thereform as may appear to the liquidators or liquidator to be advisable)—(a) That such new company shall take over by purchase the property and business of the Quarte Hill Consolidated 601d Mining Company; (b) That such new company shall take over by purchase the property and business of the detaits Hill Consolidated 601d Mining Company; (a) That the share of the detaits Hill Consolidated 601d Mining Company; (b) That such payment of the debts and Habilities of the present company and (a) That the share followers in the present company shall receive one 5s, share, fully paid-up, in such new company in exchange for every stars fully paid-up, ind up them in the present company; and (a) That such provisions as may be necessary to the liquidators of liquidator to make pursuant to Section 161 of the Companies Act, 1862, et otherwise for the case of shareholders holding shares in the present company, not being exact multiples of four shares, or holding shares in the present company, not being exact multiples of four shares, or holding shares in the present company, not being exact multiples of four shares, or holding shares in the present company, and are hereby authorised to carry out such asle and transfer, either under the provisions of Section 161 of the Companies Act, 1862, or otherwise as may be deemed advisable.

A vote of thanks to the Chairman terminated the proceedings.

CHILE GOLD MINING COMPANY.

The first ordinary general meeting of shareholders was held at the

A vote of thanks to the Chairman terminated the proceedings.

CHILE GOLD MINING COMPANY.

The first ordinary general meeting of sharsholders was held at the Cannon-street Hotel, on Thursday.

Mr. JOHN HARVEY in the chair.

Mr. J. SYKES WHIGHT (the secretary) read the notice convening the meeting, and the report and accounts were taken as read.

The CHAIRMAN said it was the intention of the directors to have called a general meeting immediately after the receipt of advices from the mine, but circumstances arose which induced the directors to delay calling the meeting. The large amount of money which had to be paid for machinery, supplemented by the demands from the mine, so reduced the resources of the company that the board found itself obliged to avail themselves of the power under the Articles of Association to issue debentures. That was done after consultation with some for Association to issue debentures. That was done after consultation with some for Association to issue debentures. That was done after consultation with some favourable news from the mine, to induce the board to make an allotment. I have desired. A sufficient amount was however, applied for, coupled with more favourable news from the mine, to induce the board to make an allotment. Presty and with such large sum of submidlers were desirous of executions would entail expense, and if the shareholders were desirous of executions would entail expense, and if the shareholders were desirous of executions would cannot for the great expendition of the board were led to make an allotment page of the report they would see the reason for the great expendition of the board would see the reason for the great expendition of the properties of the

carefully milied to produce good returns.

The moved the adoption of the report and accounts. —Mr. McAndrew so than moved the saloption of the report and accounts. —Mr. McAndrew so conded the resolution.

The CHAIRMAN, in reply to Mr. Surtees, said they did not want any more capital for working expenses, but more capital would be necessary if they erected any further machinery.

Mr. Surress: You do not intend to increase the number of stamps at present?

—The CHAIRMAN: We cannot afford to do it, but if the shareholders come forward we shall be happy to increase the number.

A SUARRIOLDER saked what was being done with regard to recovering some sum from the vendors in consequence of the bad condition in which the mine was handed over? —The CHAIRMAN: We are in communication with the vendors, and we hope we shall come to a solution of the difficulty without beying recourse to legal proceedings. (Hear, hear.)

The Boiletton, in reply to a shareholder, said that a very large proportion of the vendors shares were not transferable within 12 months of the company taking possession.

A discussion ensued, chiefly on subjects of detail, and of no public interest.

A discussion ensued, chiefly on subjects of detail, and of no property, and

taking gossession.

A discussion ensued, chiefly on subjects of detail, and of no public interest.

Mr. Hawkins thought the directors, before issuing the prospectus, ought to have made themselves better acquainted with the value of the property, and should have taken the opinion of other persons besides that of Mr. Attwood, who reported for the vendors.

Bit CHARLES CLIFFORD (a director) assured the shareholders that every can be done have been declared to the very care and been taken, but thus was pressing, and the directors are convenient to

had been taken, but time was pressing, and the directors were compelled to proceed rapidly with the business or lose the property. As a matter of fact, the directors were in possession of plenty of collateral evidence which they could scarcely make public regarding the great value of the property. The directors had every reason to believe that all that was stated in the prospectus was perfectly correct, and would be borne out by results.

The resolution for the adoption of the report and accounts was put and carried, and a vote of thanks was passed to the Chairman and directors.

A special vote of confidence was then proposed, and carried unanimously, and the meeting broke up.

EAST BLUE HILLS MINING COMPANY.

The first meeting of sharoholders was held at the offices of the company, Gracechurch Buildings, on Tuasday,

Mr. J. Y. WATSON in the shalr.

Mr. C. B. PARRY (the secretary) read the notice calling the meeting. The CHAIRMAN said: At the commencement of operations at East Blue Hills it was determined to raise sufficient money at once to prove the mine, and thus avoid making periodical calls upon the shareholders, and the accounts now presented show—Original capital, 80004; expenditure, 18624. 3s. 7d.; sales of tin, 7137, 10s. 3d.; a cash balance in favour of the mine of 18097. 6s. 8d., and there is no linbility whatever. A large quantity of exploratory work has been done balance in ravour or the mine or 1500%, es. So., and there is no im-bility, whatever. A large quantity of exploratory work has been done in clearing the adit and opening out the lodes, and Capt. Charles Themse; of Cook's Kitchen, who inspected the mine in June estimated the ore then laid open as 6000. The sales of the have been made from its heads of teamps wally, the last sale for the month being 2% tons. More stamps are in course of

PPLEMENT TO THE MINING JOI

recetton, and in a month or two 20 heads will be at work, and be capable of returning 6 to 8 tons of tin per month, and gives profit (at 60), per ton) of about 2001, or 2500, per month. So the theorem the year is out the committee hope they may be able to declare a dilviend of not less than 20 per cent. on the paid-up capital, taking away, and, therefore, increasing the summer more in than thoy are taking away, and, therefore, increasing the summer more in than thoy are addit the West Kitty iode will be intersected. I may add to this that the mine originally belonged to Mr. Fike, and when he offered it to me as first-class specialistic and the shares of the Blue Hills shareholders, retaining for himself and friends such shares only as were not accepted by them. This plan was carried out, and those who took their shares have been able to realise more than cent. per cent. profit upon them. Now Mr. Fike also the owner of Treslow, a mind is between it and the once great Perran St. George. Nothing has been done in the mine, as I understand, for 40 years, and then tin was little thought of, and it is considered that a small outlay in clearing out the adit may result in discoveries similar to East Blue Hills. No doubt the sett is a valuable one, having regard to its similarity and close connection with East Plue Hills. And Capital and Arr. Pike has agreed to divide this into 15,000 shares of 2s. 6d. a valuable one, having regard to tas similarity and close connection with East proceed it is proposed to pay Mr. Pike 3001, which will leave 1200, to prove the proceed it is proposed to pay Mr. Pike 3001, which will leave 1200, to prove the mino. All shares not taken up by East Blue Hills shareholders will be taken at the 2s. 6d. each by Mr. Pike and his friends, and there is little doubt they will soon command a high price. A resolution will be proposed to you on this head presently. The Chairman added that the export of Cap. Chair Thomas ind been printed, in chair of the substance of the start

FRONTINO AND BOLIVIA GOLD MINING COMPANY.

A meeting of shareholders of this company was held at the Cannon-

street Hotel, on Wednesday,

Mr. T. E. FOAKES in the chair.

The CHAIRMAN said they were met there that day for the purpose of hearing Mr. White's remarks on his report. At the last meeting it was decided that they would not then read Mr. White's report, nor would they hear the explanations he wished to give upon it, and this treeting was, therefore, called to receive the report, and to hear Mr. meeting was, therefore, called to receive the report, and to hear Mr.

meeting was, therefore, called to receive the report, and to hear Mr. White's explanations.

Mr. White side that at the last meeting, although his report was not considered, it was more or lees gone into on the one side by the Chairman's remarks, and on the other by the observations of several gentlemen, but to many criticisms he had no opportunity of replying then. Since that time several letters had appeared in the papers, and he would endeavour to suswer some of the points that had been raised. One of the things which seemed rather strange to him in one of these letters was in reference to a question of the situation of the mines. On comparing the first page of the report with the thirteenth it was perfectly clear that he had explained how it was that the mine was placed in a position to produce 340 or even 500 tons it was that the mine was placed in a position to produce 340 or even 500 tons it was that the mine was placed in a position to produce 340 or even 500 tons it was that the mine would continue at almost the ordinary working cost, which he then anticipated would not exceed the sum of 310 per ton, and that would be including all expenses, and which will be reduced to 38 per ton when we are able to produce the full supply of mineral which the mines will be capable of glving its as soon as the works in connection with the Pocune water are completed. Further on, when he speck of further cost of the mines per month being 5000. to stamp 3400 tons of mineral estimated to produce 1% or. to the ton, something was said about 1% os., but its preferred to put the 1%. He spoke of samps to be erected at the Rosario, San Josquin, and other mines as being necessary to reduce that amount of mineral. In referred to the company had been laid out — upwards of 60,000%; he thought in the balance-abeet it flagured at 73,000f. Up to 1873, the total produce had been 100,332, in nine years' work, from 185 to 1873, the total produce had been 100,332, in nine years' work, from 186 to 1873, the total produce had been 100,332, Mr. White said that at the last meeting, although his report was had all the time been doing a large amount of prospective work, driving levels, and opening ground, and they had gained large reserves which would afterwards be taken out at proportionately lower cost, as everybody must know who had studied anything in relation to mining. Now, he did not really think that after calling attention to these figures he had anything more to do but to call attention to these figures he had anything more to do but to call attention to the reports which had been published month by month to as to carry out his statements respecting the amount of work done in the mine. He contended that the tons of ore which had gone to swell their reserve must be taken in that accounts. He ventured to say, therefore, that the calculations respecting the coat per ton when the works which they had got now in hand or contemplation were completed—that those calculations were not erroneous. Reference had also been made to the high cost of their mines in a general way. Upon that the could say a great deal, but it seemed to him that generally speaking very little was known about Columbia. He referred to other mines in the presents year the silicence will have received to other mines in a general year to show that the conditions were not analogous, and consequently the comparisons were unfair. After entering into further to other mines in a general year than the county of the company's several mines, especially in connection with their working with the Pocune water.

In reply to enquiries by shareholders, Mr. WHIYE stated that by the end of the presents year the silicence will have received a larger supply of writer, and 85 more heads of stamps will have been erected in Silencio, Salada, Rosario, and Cordota. That from August forwards the profit of Silencio, Salada, Rosario, and Cordota. That from August forwards the profit of Silencio, Salada, Rosario, and Cordota. The from August forwards the profit of Silencio, Salada, Rosario, and Cordota. The result of the salar should be a second to the salar should be a

ward to the time when they would sell their shares at double their present price. He thought the shareholders were greatly indebted to Mr. White and his brother for the zeal and application they had shown in the interests of the company. He could readily understand that Mr. White had spent a large sum of money on this great undertaking in order to place it in a position of permanent presperity and stability. It seemed to him that they had acquired an ample supply of water for a vast area of mining, and that the future of these mines was very good indeed. He could also say as a shareholder he received with great interest his monthly statement, and there were very few companies with which he was connected that gave such full and detailed information.

Some discussion ensued, in which Mr. SEAL and Mr. SUTHERLAND criticised the board and the management, and the CHAIRMAN having replied to the remarks, which were somewhat of a personal character,

On the motion of Mr. STAPLES, seconded by Mr. Young, it was unanimously resolved that the best thanks of this meeting be given to Mesers. White for their able management of the company's affairs, after which the proceedings terminated with a vote of thanks to the Chairman and directors.

NORTH PENSTRUTHAL MINING COMPANY.

The ordinary general meeting of shareholders was held at the offices of the company, Draper's-gardens, on Wednesday,
Mr. James Petrie in the chair.
Mr. Edward Ashmead (the secretary) read the notice convening the meeting, and the minutes of the preceding meeting, which were confirmed. The accounts for the four months ending with the costs paid May 20 showed a balance of liabilities over assets amounting to 8911. 17s. 2d., including calls in arrear 2661. 11s. 6d., and calls on forfeited shares 701. 15s. The agent's report was also read. It was as follows:—

paid May 20 showed a balance or Habilities over assets amounting to 891l. 17s. 2d., including calls in arrear 266l. 11s. 6d., and calls on forfeited shares 70l. 15s. The agent's report was also read. It was as follows:

July 17.—Since the last general meeting the sinking of Highburrow Shaft has been completed to the 13s fm. level, ground penthouse taken down, the shaft divided and cased, with skip road fixed complete to the bottom, where we have commended cross-outling north to the lode which is being pushed on with all possible dispatch, and which from the underlie of the lode, as seen in the 120, we expect to reach in about 2 fms. driving (5 ft. which is already driven); this we consider an important point, looking at the change of ground and general character of the lode in the 120. The 120 fm. level is driven west of shaft 4s fms., 21 fms. of which have been driven in the past four months; driving by four men in a lode, varying from 4 ft. to 5 ft. wide, composed of quarts, capel, mundic, occasional stones of tin, and a little black oxide of copper. We advise the extension of this end with as little delay as possible to prove the ground, which is of a friable nature, to the west of the cross-course said where little or no work has been wrought. The lode in the 105 fm, level, driving west of shaft, is 4 ft. wide, producing occasional stones of tin; this levelia driven wast of shaft, is 4 ft. wide, producing occasional stones of tin; this levelia driven wast of shaft, in 6 ft. 15 ms. 15 ms.

as it was four months ago—the balance against the company being very slightly reduced.

Mr. H. Waddington moved the adoption of the reports and accounts.—Mr. Arthur seconded the motion, which was carried without discussion. The Chainman said the next question was that of finance. The next period would include five months' labour costs, and the committee having carefully considered the matter were of opinion that a call of 4s, per share would be required. He moved a call of that amount, psyable on or before Aug. 10.—Mr. Waddington seconded the motion, which was carried.

A SHARHOLDER asked whether anything had been done with the forfeited shares f—The Chainman replied that the committee felt that it would be better to wait until something occurred at the mine to increase the value of the shares before doing anything with them.

A SHARHOLDER asked how many shares were forfeited f—Mr. ASHMEAD said 70 were forfeited, and 40 were relinquished. Nothing was lost on the relinquished shares, which were paid-up to the date of relinquishment.

A vote of thanks to the Chairman closed the meeting.

SOUTH PENSTRUTHAL MINING COMPANY.

A four-monthly meeting of shareholders was held at the offices of the company, Draper's-gardens, on Wednesday, Mr. James Walton in the chair.

Mr. James Walton in the chair.

Mr. Edward Ashmead (the scoretary) read the statement of accounts, which showed that the labour cost had been 7901. 4s. 11d.; the merchants bills, 6121. 0s. 2d.; the mine reits, 122. 10s.; and the prynnent for insurance under the Employers' Liability Act, 211. 17s. On the other side the last call realized, 13551. 15s.; the coub receipts as against insurance, 31. 18s. 4d.; and the discount, 2t. 4s. 4d. The balance of liabilities over assets was 9651. 18s. 4d.; and the discount, 2t. 4s. 4d. The balance of liabilities over assets was 9651. 18s. 4d.; and the discount, 2t. 4s. 4d. The balance of liabilities over assets was 9651. 18s. 4d.; and the discount, 2t. 4s. 4d. The balance of liabilities over assets was 9651. 18s. 4d.; and the discount, 2t. 4s. 4d. The balance of liabilities over assets was 9651. 18s. 4d.; and the discount, 2t. 4s. 4d. The balance of liabilities over assets was 9651. 18s. 4d.; and the discount assets was perfectly asset to the safe the safe that the state of a good matrix, and embedded in a beautiful strata, and is producing a little black oxide of copper. From its appearance and character 1 am daily expecting to meet with copper in paying quantities. Should the lade at this point prove as rich as appearances indicate, we should speedly open up a large quantity of ground at various levels from the flat-red shaft.—Simmon's Shaft: We have cleared and secured this shaft from the 50 the back of the 60 fathom level west of engine-shaft, to facilitate the further clearing of Simmon's shaft, to examine the west ground and better ventilate the mine below. The 30 cross-out is driven south 83 fathoms. Finding nothing of value, we suspended this, and the driving west on the branch.—Hal-rod Shaft: This shaft has been cut down to the 130, plat cut for the reception of lod-ment of stuff, shaft divided and cased, with skip-road completed to bottom, and the shaft sunk about 9ft. below. The shaft set to nine men, and will be vigourously procedured to reach the 142. The cutting

sink faster. — Capt. DAVES PRIMERON. Laboratory with every success.

Mr. M'KEAND: Do you see any change from what it was 20 fms. higher?

Capt. DAVES: I never saw a greater change. I am speaking of the flat-rod shaft. That is, from the 110 to the 120 in South Penstruthal the lode has partaken of a different character, from chloride to quarks, in which the great riches of the Gwennap district is produced.

Mr. WADDINGTON said he meant to propose that the secretary be requested to invite tenders for the sinking of the flat-rod shaft by boring machinery. There would be no risk to us. All we should be required to find would be a boiler to the same of the great saving. It was only the prejudice of the

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the driving of this level for the present, and put the men to rise against the winse sinking below the 50. The tode in the winse sinking below the 50, cast of the shaft, is 3 ft. wide, producing both carbonite and oxide of copper-a very premising fooking lode.—Lawry's Blaft: Operations in this part of the mine have been considerably retarded in consequence of the repeated stopping of the engine to fix the work in the engine-shaft. We have again resumed the drainage of this port of the mine, and have forked the water I fms. below the adiations are resume the clearing of the cross-out, and expect shortly to reach the old mine shaft. The replacing the drawing-lift by hing the pole at the 60 will effect a great saving in the cost, enabling all surplus water from the old mine and elsewhere being taken up, and allowing us to make the most of our labour in sinking the shaft. The prospects in the bottom of the mine are most encouraging, seeing that the shaft. We believe in a few feet sinking the lode will be more productive.—5. DAVEY, 5. DAVEY, jun.

The OMAIRMAN: Gentlemen, you have looked over the accounts connected with the mine, and I think you will consider that we are in a very fair position. The amount we call is not much—2s, 2d, per share. No doubt we have had to contend with some difficulties, but that is entirely overcome now, and we are able to sink as fast as possible. I move that the report and accounts now read be passed and adopted, and printed and circulated amongst the sharehelders.——Mr. WALTON seconded the motion, which was put and carried.

Mr. WADDINGTON asked Capt. Davey how much they were sinking a month?

—Capt. Davey and about 9 tt. In the present state of the mine.

Capt. Davey and about 9 tt. in the present state of the mine.

Capt. Davey and about 9 tt. in the present state of the mine.

Capt. Davey and the work of the working by means of a plan, and said they were now 16 tt. to 12 ft. below the 60. The water from the old mine would not affect them in a turne. They might come across a richi l

THE TREWITTEN MINING COMPANY.

The first annual general meeeting of shareholders was held at the company's offices, Guildhall Chambers, on Wednesday,
Mr. J. B. CLAEKE in the chair.
Mr. A. E. JAEVIS (the secretary), read the notice calling the

Mr. A. E. JARVIS (the secretary), read the notice calling the meeting.

The CHAIRMAN, in moving the adoption of the directors' report and balance-sheet, which were taken as read, said the shareholders would see that the company had a balance in hand of something over 400% which he thought would be sufficient to carry on the works until November next. A short time ago the directors had paid a visit to the mine, and he was giad to say they were very much satisfied with the work that had been done. At present, of course it was being carried on under the uncultivated ground which he considered was agreat advantage to the company. Mr. T. Blairi (solicitor), seconded the motion, and said that since he had come to the meeting he had been conversing with Capt. Holman, the company's manager, who told him the engine-shaft was sunk 7 fms., which was 4 fms deeper than when the directors were there. Capt. Holman was further of opinion that at about the depth of 12 fms. the lode would be cut which it would take about a smouth to reach at the present rate of progress.

A SHARBHOLDER asked whether there was much difficulty experienced on account of water?——Capt. Holman, in reply, said that he was not troubled so much with the water as with the soft ground, which it was difficult to keep in its place; but it was a good indication insamuch as the lode was more likely to be productive on that account.——The motion was carried.

Mr. BLARB moved that the directors be re-elected.

Capt. Holman was e-elected auditor, and a vote of thanks having been accorded to the Ghairman, the proceedings terminated.

WEST PATELEY BRIDGE LEAD MINING COMPANY.

An extraordinary general meeting of shareholders was held at the offices of the company, Gresham House, on Friday (Mr. Baxter in the cheir), for the purpose of considering, and if thought fit, passing a resolution (to be hereafter confirmed as a special resolution) for winding-up the company voluntarily, and for the appointment of a limidator.

Mr. J. JAMESON TRURAN (the secretary) read the notice calling

Mr. J. Jameson Truran (the secretary) read the notice calling meeting.

The Chairman said it was with feelings of great regret that the directors considered it necessary to submit the present proposition. At the last meeting the shareholders were informed of the position of the company, and the points which it was intended to continue to the end of the year. Instead of continuing to the end of the year they had continued to the present time without any satisfactory results to the company. Since the registration of the company in 1876 there had been yearly losses. The directors, therefore, had carefully considered the matter with Capt. Williams, who would tell them that without a very considerable increase in the price of lead there seemed no prospect of the mine succeeding; therefore, the directors considered it their duty to call the shareholders together and place before them the actual position of affairs, and take their opinion upon it. The board could not recommend the shareholders to continue operations, and indeed the directors now almost agreeted that they did not recommend the shareholders to stop operations at he isst meeting in September. He did not see any chance of the thing being brought round.

Mr. 4. FARRICK asked what was the present monthly cost?—The Chair. Mana said about 50. per month, against which was to be placed some small but irregular returns from the mine.

Captain Williams, in reply to further questions, said that the points mentioned at the last meeting had been continued, but although the two cross-outs had been continued for a long distance, and there were numerous leaders and stringers, yet nothing had occurred to reward the company.

A Shareholders asked whether there were not other points which could be tested?—Captain Williams said that the eastern portion of the mine had been tested without satisfactory results, but he believed they had a good mine going west, and it was for the shareholders to decide whether they were giving re-

going west, and it was for the shareholders to decide whether they would continue it or not.

A SHARKHOLDER asked whether any of the adjoining mines were giving results in depth?——Captain Willlams said that an adjoining mine was giving profitable returns of ore in depth.

The CHAIRMAN said the shareholders must not forget that Captain Arthur Waters, a man of experience, had reported on the mine, and had stated that it was perfectly useless to continue the working of the mine, because it would never make any returns to the shareholders.

A SHARKHOLDER suggested that as there were arrears of calls of about 20001, and as the working expenses were about 501, per month, it would be advisable to continue the working with the capital which was left.

A discussion on matters of detail ensued, and in the end the CHAIRMAN formally moved a resolution to the effect that the company be wound up voluntarily.—Mr. Harris seconded the motion, which was put to the meeting, and lost.

loring.—Mr. Harris seconded the proceedings.

A vote of thanks to the Chairman closed the proceedings.

A vote of thanks to the Chairman closed the proceedings.

EAST POOL.—At the meeting, on Monday (Mr. G. A. Mitchell in the chair), the accounts showed a profit on the three months' working of 11,9461, 9s. 9d. A dividend of 11,2001, (11. 15s. per share) was declared, and 7481, 9s. 9d. carried to reserve fund, which now stands at 39881, 16s. 5d. Mr. Martyn, the purser, explained that the drop in the price of tin upon their returns had been equivalent to about 26001. The report of Captains Bishop, Penhale, and Curtis was submitted and adopted. The Chairman subsequently explained that in cash and bills they had more than 17,0001. to deal with. The total tin ore sales for the twelve weeks were 390 tons 20vxls, at an average price of \$44. 8s. 14, or 61. 14s. 6d. less than the average 5f the previous 12 weeks. In addition to what he told them they had in the bank, they had at the stamps, for which no credit had been taken, 40 tons of tin as an additional asset. (Applause.) The price of the lat batch of tin sold was 571. 18s. Mr. Bramwell complained that the bankers had charged 30f. for the quarter for keeping the account, although they had had more than 3358. balance all the time, on which they allowed no in creat. Capt. Bishop explained that since the last account they had put in the shaft a new skip, which was working remarkably well, and the increase, as compared with the last time, showed that over 1200 tons had been sent to the stamps. They would have to put up mill stamps in order to deal with all the stuff the skip was capable of drawing. The old skip was drawing 15 ewts. at a time, and the new skip was equal to about 26 cwts. By an improved principle it was further hoped that the time would come when they would be able to draw in one shaft at least 1000 tons of tinstuff per week. When he asid tinstuff there was a deal to draw usualde that in the shape copper ore, elvans, and so on. He repudiated the rumour that their pitwork was in bad condition, and that they were not keeping the water away. It was only within

MARKE VALLEY.—At the meeting on Wednesday (Mr. W. Bellingham in the chair) the accounts showed a debit balance of 3654. 19s. 11d., against which there is the June or bill, 5784. 5s. 1d., and arrears of calls, 954. 10s. 6d., equal 6734. 15s. 7d., so that the assets exceed liabilities by 3074. 15s. 8d. A call of 4s. per share was made to provide funds to continue the erections and development of the Wheal Jenkin portion of the property. Capts. George and Renals, after reporting upon the operations about Salisbury shaft, say that particular attention has been directed to the Wheal Jenkin part of the mine during the quarter. The shaft has been enlarged, cased, and divided to the adit level, and sunk 3 fms. 5 ft. below, and the shaftmen will commence next week to fix the necessary pitwork. An engine-house, to take a 38-in. cylinder engine with the required loadings, has been built, and the engineers are engaged in fixing the work. The masons are now building bolier-house and stack, and the carpenters are satively engaged in getting the timber work ready as required, so that every effort is being made to urge on the different erections as fast as the weather and astempt of the work will admit. The charges on the cort sheets en account

of erections and work done in this part of the mine during the past quarter

ELECTRIC LIGHT AND POWER GENERATOR COMPANY.—An extraordinary general meeting of shareholders was held on July 14 at their offices, Cannon-street, when a special resolution confirming the intended change of the name of the company to the "Maxim-Weston Electric Company (Limited)," was unanimously passed. The Chairman, Admiral Sir E. A. Inglefield, in proposing the resolution and amongst other matters remarked that a very successful exhibition of the company's lights was at that moment being made at Reading where the Royal Agricultural show was being held, 20,000 persons having, it was stated, made special visits to view the lights; he also referred to the statement recently made by Mr. W. T. Sugg that in testing the electric lamps burning in the streets of London he found the actual light given through the globe by the Weston lamp (which, however, Mr. Sugg erroneously called the Lontin lamp), to be equal to 1466 candles, while the light given by the lamps of two other systems which he tested at the same time, he found to be respectively 114 and 557 candles.

UNITED TELEPHONE COMPANY.—The directors have decided to recommend, at the meeting to be held on the 1st prox., a dividend of 5 per cent. on the share capital, subject to audit.

TELEGRAPH CONSTRUCTION AND MAINTENANCE COMPANY.—
The half-yearly general meeting of shareholders was held on Tuesday, at the offices, Old Broad-street, Sir D. Gooch, M.P., presided, and in the absence of a report (no reports being presented at iterim meetings) stated that he would refer briefly to the work done in the half-year. They had manufactured 1000 miles of cable, and had laid 550 miles of the cable they manufactured last year. They had also laid the German Union Company's cable between Emden and Valentia, that work being completed last April by the Scotia. They had repaired the North Sea cable, and the Kangarouhad been twice to Brazil to carry out cable for the Western and Brazilian Company, and to repair the Brazilian Submarine Company's cable near Fernambuco. The Scotia had now been about two months in the Atlantic repairing the Brest St. Pierre cable for the Anglo-American Company, and she had recovered the cable in about 1940 fathoms of water, repaired it, and put in 60 miles of new cable. She was now ongaged in repairing the fault which had existed for some time in the cable near Brest. It was a great thing to have done, to lift the cable which had been down for 12 years in mid-Atlantic and to repair it. The cable taken out was in very good condition considering the long time it had been down; but there were traces of defects at short intervals of the cable owing to some chemical action at the bottom of the sea. They were now'll negociation as to certain work, and they were doing all they could to secure cable work; but he could say nothing further as regarded the future of the company. Replying to a question, he stated that they had no Government contract on hand now. They had laid the cable of 900 miles in the middle of the balf-year.

ANGLO AMERICAN BRUSH ELECTRIC LIGHT CORPORATION.—An extraordinary general meeting of shareholders was held on Tuesday

Anglo American Brush Electric Light Corporation.—An extraordinary general meeting of shareholders was held on Tresday at the City Terminus Hotel, to consider altering article 85 of the company's Articles of 'Association, so as to enable the directors, on their own authority, to pay from time to time to the shareholders in proportion to the amounts paid on the shares, such bonus and interim dividend as in their judgment the position of the corporation justified. Bir H. W. Tyler, M.P., who presided, stated that they now had a good deal of money in hand, which they desired to distribute among the shareholders. They had prepared a rough balance-sheet to satisfy themselves as to the amount they should distribute, and had decided on dividing 245,000l. By article 85 of their Articles of Association, however, the directors only had authority to pay once a year, a sum on account of dividend not exceeding 10 per cent. per annum. It was clear that when the Articles of Association were framed the success which they had achieved was not anticipated. He moved the resolution referred to. Mr. J. S. Sellon having seconded the motion a short discussion followed, and an amendment was moved by Mr. Isaac, but not seconded, to the effect that the proposed distribution should be by way of return of capital instead of as bonus. Mr. William Abbott held that the fact that the amendment was not seconded was proof that the proprietors were opposed to it. By the sale of certain concessions they had created a very valuable goodwill, as they would supply all the subsidiary companies with the material they required for their working. Mr. Brooksbank pointed out that the reduction of the capital proposed by Mr. Isaac was whose shares were only 4t. paid if in the proposed distribution they received a portion of the profits only in proportion to the amount they had paid up. The chairman, in reply, stated that the Articles of Association stipulated—and it was in accordance with common sense—that the profits should be distributed among the sharehol

SAFETY FUSES, AND HOW TO DISTINGUISH THEM

An important trade mark case has been heard and determined in An important trade mark case has been heard and determined in the High Court of Justice, in re the Swansea Safety Fuse Company's Trade Mark, upon the application of Messrs. Bickford, Smith, and Co., of Tuckingmill. The decision was in favour of the Swansea Company with costs, the subjoined being Mr. Justice Chitty's judgment:—

Go, of Tookingmill. The decision was in favor of the Semanta-Company with costs, the subjoined being Mr. Justice Chity-Justice C

Mr. Justice Chitty: No; I do not say it is.

Mr. Asrow: Therefore your Lordship has not seen Silva's good.

Mr. Justice Chitty: No. Silva is the giver of the order. I know what I ams saying. Silva is the person who gives the order, and it is quite plain when Silva uses the word "twine" with "tape" underneath it (it is plain to my mind at least) that what he is referring to is not the central thread, but to the twine which encircles it, and is external. There is another letter which is not quite so plain, that of June 7, 1881, in which an order is given by Messrs. Wilson and Co., where they speak of "red thread throughout." I understand that merely to refer to the same thing. But really, though I have mentioned this fact, it is not to my mind necessary to decide this question of fact for the purpose of showing that I do not think that the applicants have established, as a matter of fact, that "red thread," or "red twine," or "red tape" in the market means the red thread that runs through the centre of the goods. On these grounds I refuse the application.

Mr. Romes: I ask for costs.

Mr. Justice Chitty: Yes.

PROVINCIAL STOCK AND SHARE MARKETS.

PROVINCIAL STOCK AND SHARE MARKETS.

CORNISH MINE SHARE MARKET.—Messrs. ABBOTT and WICKETT, stock and share brokers, Redruth (July 20), write:—In consequence of the improved appearance of the tin market shares in most of the dividend mines have advanced, Dolcoath being 6l. dearer. At East Pool a profit of about 12,000l. was made for the 12 weeks, and 35. dividend declared. The market looks healthy, and there is a disposition to buy apparent. Subjoined are the closing quotations:—Blue Hills, 1 to 14; Camborne Venn, 4 to 3; Carn Brea, 12 to 124; Cooks Kitchen, 335 to 39; Dolcoath, 71½ to 72½; East Pool, 54½ to 55; Killifreth, 5¾ to 5½; New Cook's Kitchen, 5½ to 6; North Busy, 1 to 1½; Pedn-an-drea, 34 to 33; Santa Gertrude, 170 to 175; South Condurrow, 8 to 8½; South Crofty, 10½ to 11; South Frances, 11½ to 12½; West Basset, 10½ to 10½; West Kitty, 11 to 11½; West Peevor, 12 to 12½; West Brances, 9½ to 9½; Wheal Grenville, 10 to 10½; Wheal Agar, Tho 17½; Whal Basset, 9½ to 9½; Wheal Grenville, 10 to 10½; Wheal Market, 10 to 10½; Wheal Agar, Wheal Basset, and West Basset in good domand at quotations. Subjoined are the closing quotations:—Blue Hills, 1½ to 1½; Carn Brea, 12 to 12½; Camborne Vean, 25. 6d. to 76, 6d.; Cook's Kitchen, 38½ to 39; Dolcoath, 11½ to 71½; East Pool, 54 to 54½; East Blue Hills, 10s. to 12s. 6d.; Killireth, 5½ to 5; New Kitty, 1½ to 2; North Busy, 1 to 1½; North Herodefoot, 7s. 6d. to 10s.; North Penstruthal, 34 to 4; Felnan-drea, 3½ to 03%; Pheenix, 23 to 12½; South Condurrow, 8 to 8½; South Crofty, 10½ to 11; West Pedevor, 12 to 12½; West Frances, 9 to 10; West Kitty, 10½ to 11½; West Pensevor, 12 to 12½; West Frances, 9 to 10; West Kitty, 10½ to 11½; West Pensevor, 12 to 12½; West Frances, 9 to 10; West Kitty, 10½ to 11½; West Pensevor, 12 to 12½; Wheal Basset, 9% to 9½; Wheal Boys, 1½ to 2; Wheal Grenville, 10 to 10½; Wheal Basset, 9% to 9½; Wheal Boys, 1½ to 12; West Basset, 9% to 9½; Wheal Polys, 3½ to 9; Wheal Prussia, ½ to ½; Wheal Grenville, 10 to 10½; Wheal Basset, 9% to 9½; Wheal

Baset, 9% to 9%; wheal Boys, 1% to 2; Wheal Grenville, 10 to 10%; Wheal Hony and Trelawney, 2 to 2%; Wheal Kitty, 1 to 1%; Wheal Jane, 25 to 9; Wheal Prussla, ½ to ½; Wheal Uny, 3½ to 3½; Wheal Jane, 25 to 5%.

— Mr. S. J. Davey, mine sharedealer, Redruth (July 20), writes:—Our market has been better this week for Dolcoath, West Kitty, West Bassets, and Wheal Agars, and their prices have advanced, Dolcoath shares 4, but other mines have been rather neglected. At East Pool meeting on Monday a dividend of 35s. per share was declared. Subjoined are the closing quotations:—Blue Hills, 1½ to 1½; Carn Brea, 12 to 12½; Cook's Kitchen, 39 to 39½; East Pool, 51½ to 52; Killfreth, 51. 14s. to 52. 18s.; Mellanear, 4 to 4½; New Cook's Kitchen, 53¢ to 65; Killfreth, 51. 14s. to 52. 18s.; Mellanear, 4 to 4½; New Cook's Kitchen, 54 to 54; West Basset, 10½ to 10½; Vorth Duny, ½ to 1½; Pedenian-drea, 3½ to 3½; South Condurrow, 8½ to 8½; South Crofty, 10½ to 11; South Tolcarne, 2½ to 3; South Frances, 11½ to 12; Tincroft, 12½ to 12½; West Basset, 10½ to 10½; West Frances, 9½ to 55; West Tclgus, 12 to 14; West Seton, 18½ to 18½; Wheal Agar, 17 to 17½; Wheal Basset, 94 to 9½; Wheal Comford, 1½ to 1½; Wheat Pedenian-deren, 31½ to 18½; Wheat Pedenian-deren, 31½ to 18½; Wheat Pedenian-deren, 31½ to 19½; Wheat Pedenian-deren, 31½ to 19½; Wheat Respectively, 10½ to 11½; West Pedenian-deren, 31½ to 31½; Wheat Cambrod, 1½ to 11½; West Pedenian-deren, 31½ to 32; Dolcoath, 70½ to 71; Devon Consola, 4¾ to 5½ to 15 was proposed to 11½; West Pedenian-deren, 31½ to 39; Dolcoath, 70½ to 71; Devon Consola, 4¾ to 5½ to 16 was proposed to 11½; West Pedenian, 31½ to 32; Herodsfoot, 36 to 32; Hillifeth, 5½ to 5½; Marke Valley, 36 to 32; Bust Caradon, 36 to 33; Cunnislake, 36 to 34; South Crober, 34 to 34; South Crober, 34 to 34; South Crober, 34 to 34; So

SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

SCOTCH MINING AND INDUSTRIAL COMPANIES

SHARE MARKETS.

STIRLING.—Mr. J. GRANT MACLEAN, sharebroker and fronbroker
(July 20), writes:—During the past week the tendency of prices has
been more favourable, owing to the improved condition of trade,
and, should the Egyptian crisis be satisfactorily settled and some
better weather experienced, no doubt business would get brisker and
prikes improve. The money market remains casy.
In sharks of coal, iron, and steel companies the principal business has been
in Marbellas, which have advanced to 6½ on expectation of a favourable interim
dividend. In the Scotch plg-iron market the price of warrants has advanced
from 50s. to 51s. 1½d. A considerable business has been done since the bolidays,
and the tendency of prices seem still favourable, as makers from is scarce, and
held at full prices in second hands. Altamis are at 25s.; ditto (bonds), 7s.;
Chapel House, 12s. 6d. to 17s. 6d.; and Skerne fron, 49s.
In shares of foreign copper and lead concerns prices are firmer. Tharsis have
improved from 40½ to 41½, and the decision in their Court of Session case is
expected immediately. Russia 6 per cent debentures offered. Norway coppes
(12s. 6d. paid) 5s. to 10s.; Pierrefitte, 7s. 6d. to 12s. 6d.; Santa Cruz, 4s. to 6s.;
and Vicaya Santander, 125½.

If silvares of home mines prices are not much altered, but shares are net very
mitich offered. Some parties are now beginning to think that the day is not
far distant when Wheal Jane will be a paying concern once more; for the four
weeks, and the is believed the returns can be increased. Bell Vean are at 10s. to
17s.; Carn Camborne, 10s. to 15s.; Caron, 1s. 6d.; East Wheal Rose, 5s. to
7s. 6d.; East Lovell, 15s. to 20s.; Grogwinion, 20s. to 30s.; Great Holway, 4 to 5;
South Devon, 1bs. to 20s.; South Condurrow, 53; Molisham United, 5s.; Wheal Comfort, 30s. to 40s.; Wheal Coates, 7s. 6d.
to 10s.; Wheal Fortune, 10s. to 15s.; and 15s. to 17s. 5d. to 17s. 6d.; Indian Trevelyans, 13s. 9d. to 16s. 3d.; Indian Consolidated, 15s. to 17s. 6d

Epineurical Messrs: Thomas Miller and Sons, stock and share brokers, Princes-street (July 19), write:—The railway markets have shown increased strength during the past week. Caledonian ordinary stock has improved from 1044 to 1044, North British from 934 to 943. Glasgow and South Western from 118 to 1183. Sheffield Deferred and Great Eastern have been decidedly better on the dividend announcements of their respective companies. Brighton Deferred has been very excited, and has fallen from 124½ to 11475. South Eastern Deferred has declined from 1214 to 120½. Canadian have been very go-d. Grand Truck Ordinary has usen from 194% to 21, the Second Preference from 37½ to 59½, the Third from 44½ to 46½. Americans have been very strong. New York, Penhayivania, nid Ohlo First Bonds have advanced from 44½ to 49, the Second from 15 to 18, the Third from 44½ to 9½. Prie sh res from 38 to 41, Outario from 27 to 30½, Oregon Preference from 49½ to 54½, Reading from 30 to 31. Bank of Scotland stock has improved from 30 to 30.3, Royal from 213 to 214. Insuraince shares have been quiet, North British Mercantile have receded from 58 to 57½, and Scotland lon and National Kom 10½, to 10½, Illumington Copper from 38s, to 34s, Burntisland Oil from 11½ to 10½, Dalmeny Oil have risen from 19½ to 20. Colonial and American Property Companies are little changed. Hudson's Bay shares have improved from 32½ to 30½. EDINBURGH .- Messrs: THOMAS MILLER and SONS, stock and share

IRISH MINING AND MISCELLANEOUS COMPANIES SHARE MARKET.

-Messrs, J. H. CARROLL and Sons, stock and share brokers CORK.—Messrs, J. H. CARROLL and SONS, SLOCK and SHAFE DIONERS, South Mall (July 19) write:—Markets were steadier to-day, and a good business was done in Great Southern stock 112½; Midlands also changed hands at 80½, and Northerns at 116½. National Banks very steady at 23½, and Hibernians at 31½. Munsters were done at 7½½. No change in Provincials. Cork Steam Packets changed hands at 10½, and Lyons shares at 5½. Gouldings remain 3½, and Brewery shares were asked for at 5½. No change in Gresham Hotels or Harbour Board Debentures.

Begistration of New Companies.

The following joint-stoccompanies have been duly registered:-

THE HOTEL METROPOLE (Limited).—Capital 85,000l., in shares o 100l. To establish and maintain a club-lique, hotel, tavern, &c. The subscribers are—F. Gordon, Bentley Priory, 150; E. H. Byer, 25, Pellsize Park, 20; A. Gordon, 27, Cheapside, 20; H. L. Hammack, 59, Bishopsgate-street, 20; J. Pound, 21, Leadenhall-street, 20; F. J. Thompson, 12, Camden-square, 20; A. R. Holland, The Grand Hotel, 50.

Hotel, 50.

ELLÍS AND COMPANY (Limited).—Capital 10,000l., in shares of 5l. To purchase and carry on a business of a bicycle manufacturer, established at 165, Fleet-street. The subscribers (who take one share each) are—J. Boothroyd; Greenwich; J. Orlebar, Sharnbrook; J. Beale, Blackheath; E. H. Straw, Greenwich; J. J. Camley, Chiswick; E. Logsddir; Greenwich; A. A. Clark, 17; St. Swithin's-lane.

The Works Construction Company (Limited).—Capital 20,000l., in shares of 1l. To construct raliways, tranways, water works, gas, and other works, &c. The subscribers (who take one share each) are—A. Honey bourne, 3, Bucklersbury; S. J. Lear, 62, Redclifft-road; J. Smith, Tottenham; W. Alexander, 117, Brixton-road; R. H. Elmore, Shortlands; H. Moulding, Bermondsey; W. R. Parker, 11, Glengall-road. gall-road.

UNITED KINGDOM STEAMSHIP COMPANY (Limited).—Capital 200,000l., in shares of 10l. A shipowner's business in all branches. The subscribers are—R. Bird, Cardiff, 100; R. Cory, Cardiff, 500; E. R.

The subscribers are—R. Bird, Cardiff, 100; R. Cory, Cardiff, 500; E. R. Moxey, Cardiff, 100; L. Williams, Cardiff, 100; R. Short, Cardiff, 150; M. Dunn, Cardiff, 150; J. T. Hutchins, Cardiff, 100.

THE LAND CORPORATION OF HELAND (Limited).—Capital 1,050,000, in shares of 5l. and 100l. To acquire lands and hereditaments, and to hold, occupy, let, mortgage, or otherwise deal with the same. The subscribers (who take ten shares each) are—Earl of Rosse, Birr Castle; Marquis of Ormonde, Kilkenny Castle; E. R. King-Harman, Rockingham; A. Kavanagh, Borris; B. E. B. FitzPatrick, M.P., Granton Manor; Lord Ardilarne, St. Anne's; C. C. Tottenham, M.P., Ballycurry; C. J. Kennard, 52, Threadneodle-street.

WEST MIDDLESKX ELECTRIC LIGHTING COMPANY (Limited). Capital 100,000/L, in shares of 5/L. The business of electricians in all branches. The subscribers are -J. J. Swan, 110, Cannon-street, 20; in shares of 10/L. To purchase, or otherwise acquire and work mines, W. G. Colley, Partingdale, 20; C. J. Parker, Hammersmith, 20; J. minerals, and mining rights in the United Kingdom, and particularly Pickersgill, 87, Arlington-road, 10; G. W. Hutchinson, 1, Laure Pountney-hill, 1.

GOLD COAST MINING COMPANY (Limited) .- Capital 75,000L, in shares of 1L. To purchase or otherwise acquire the lands hereditaments, mines, minerals, veins, lodes, mineral bearing rock and deposits, mining and water rights of parts of the properties known as Abbontuyakoon and Bonnat's concession, in the Wassau district, or province, near Axim, on the West Coast of Africa, for the purpose of prosecuting all operations connected with gold mining. The subscribers (who take one share each) are W. E. 1901 mining. purpose of prosecuting all operations connected with gold mining. The subscribers (who take one share each) are—W. F. Day, 79, Great Mark's-square, clerk; G. C. Crowley, 3, North-street, clerk; W. J. Hurst, Peckham, clerk; W. B. Parker, 11, Glengall-road, accountant; H. Moulding, Bermondsey, merchant; W. Jackson, 134, Falmouth-road, clerk; J. Birket, 100, Sweetland-road, clerk. The folowing constitute the board:—H. Wright, A. J. Altman, W. A. Barron, and H. B. Franklyn. The qualification is fixed at 100 shares, and the remuneration 600%, per annum to be divided.

THE BELT COPPER MINES (Limited).—Capital 250,000%, in shares of 5%. To adopt and carry into effect an indenture made between

51. To adopt and carry into effect an indenture made between Ellerhausen, of Nova Scotia, and A. B. Cunningham, of Windsor, of the one part, and the company of the other, for the p developing, and working of the Penn, Bohemian, and Great Mines, situate in the county of Ontonagon, in the State of Michigan, United States of America, and generally to carry on the business of

mining and quarrying in all branches. The subscribers (who take 50 shares each) are — Denbigh, Newnham Faddox, peer; K. H. James, 10, Austinfriars, metal broker; H. J. B. Kendæll, 12, Great Winchester-street, merchant; E. Wolseley, 151, Cromwell-road, Esquire; M. Low; 22, Roland Gardens, esquire; J. P. R. Cunningham, Kingston Hill, esquire; H. Weld, 2, Savile-row, esquire; W. Auld, 43, Queett's Gardens, esquire. The first directors are—The Earl of Denbigh, Messis: James, Kendall, Wolsley, Low, and J. Sandeman. The qualification is the holding of shares of the nominal value of 250t. value of 2501.

value of 250l.

THE SAN MIGUEL CONCESSION (Limited).—Capital 6000l., in shares of 5l. To acquire mines and minerals, mining rights, concessions, &c., in the state of Colorado or elsewhere, and to work and develope or otherwise deal with the acquisition made by the company. The subscribers (who take one share each) are—W. Kirkman, P.T., Old Broad-street, gentleman; H. G. Plaskett, Tottenham; W. B. Downs, Tulse Hill Park, contractor; J. Kirwan, Peckham Rye, surveyor; G. R. Harrison, Shepherds Bush, solicitor; R. B. Coe, Imperial Buildings, solicitor; Rev. A. Robetts, Epsom. There are no articles registered.

THE OELHEIM PETROLEUM COMPANY (Limited),—Capital 100,000l., in shares of 10l. To acquire, work, and develope proper-

100,000L, in shares of 10L. To acquire, work, and develope proper-ties situated at Dolbergen, Oedesse, and Abbenson. The subscribers (who take one share each) are—D. Ainsworth, 17, Laurence Lane; J. A. Josolyne, 28, King-street; W. C. Fowler, 181, Aldersgate-street; E. H. Bayley, Newington Causeway; A. O. Miles, 28, King-street; J. Henderson, 32, Monkwell-street; R. Conert, 32, Monkwell-street.

HEALEYFIELD MINING COMPANY (Limited). — Captal , in shares of 11. To purchase or otherwise acquire certain THE leasehold lead mines situated in the parish of Muggleswick, Durham, along with the plant and machinery belonging thereto, and to fully develope and work these, and any other mines in England, Scotland, develope and work these, and any other mines in England, Scotland, or Wales, and generally to carry on all operations incidental to a mining company. The subscribers (who take one share each) are—A. T. Windship, Newcastle-on-Tyne, colliery viewer; J. Bell, Newcastle-on-Tyne, gentleman; T. D. Challoner, Newcastle-on-Tyne, accountant; J. W. Waugh, Newcastle-on-Tyne, shipowner; T. B. Barker, Westoe, gentleman; J. T. Dransfield, Newcastle-on-Tyne, hosier; T. H. Atkinson, Newcastle-on-Tyne, merchant. The first directors are—Messrs. W. Whitwell, J. Blenkiron, H. Pritchard, J. Monks, and E. Reid. The number must not be less than five or more than 10. than 10

THE ELECTRICAL INSULATOR MANUFACTURING COMPANY (Li-THE ELECTRICAL INSULATOR MANUFACTURING COMPANY (Limited).—Capital 100,000L, in shares of 1L. The business of electricians, mechanical and chemical engineers, &c. The subscribers (who take one shares each) are—K. Marsh, 79, York-road; E. H. Wilson, 18, Buckingham-street; J. Evans, Haverstock Hill; S. H. Barlow, 38, Warbeck-road; C. Bate, 78, Alexander-road; C. E. Hewitt, Anerley; T. T. Bradfield, 193, Clapham-road.

CARDIGANSHIRE MINERAL CORPORATION (Limited).— Capital 50,000L, in shares of 1L. To purchase a lease for the working, mining, and searching for lead ores, argentiferous lead ores, copper, tin, and

and searching for lead ores, argentiferous lead ores, copper, tin, and all other ores in a property known as Cefn Cwm Brwyno, parish of Llanbadarnfawr, Cardigan, containing 325 acres in extent, or there-Llanbadarnfawr, Cardigan, containing 325 acres in extent, or therestouts; and also to acquire the plant, machinery, tools, sheds, buildings, fixtures, and effects, and the power to work, let, sell, mortgage, or otherwise dispose of the same. The subscribers (who take one share each) are—G. A. Williams, 88, Bishopsgate-street Within, mining agent; R. Delatore, 7, Southampton Buildings, parliamentary agent; A. J. Poulter, 31, Threadneedle-street, stock and share dealer; H. C. Taylor, 35, Duke-street, no occupation; H. C. Doman, 3 and 4, Fowkes Buildings, accountant; H. Randall, 7, Southampton Buildings, solicitor; F. Forbes, 31, Threadneedle-street, clerk. The consideration of the purchase of the foregoing property is fully paid-up shares; to the value of 10,000%, and 3000% in cash. Any shareholder is eligible to become director.

is eligible to become director.

THE HENDRA ESTATE AND BUILDING MATERIAL COMPANY (Limited).—Capital 60,000l., in shares of 1l. The manufacture and sale of bricks, tiles, terra-cotta, cement, and other similar materials The subscribers (who take one share each) are—E. Nunneley, 6, Station-road; G. Fuller, 9, Austin Friars; J. F. H. Baker, Claphan; W. Hogg, 1l, Austin Friars; M. B. Rochfort, Dulwich; H. W. Wallis, Oxford; A. S. Hutchinson, 1l, Guildhall Chambers.

THE OXYLEY SLAPE, CURPAINY (Limited).—Carital

THE OAKLEY SLATE QUARRIES COMPANY (Limited).—Capital 255,000*l*, in shares of 5000*l*. To purchase and continue the working of slate quarries, in the parish of Festiniog, Merioneth. The subscribers (who take one share each) are—W. S. Forster, 28, Lincoln's Law Eight of White Company. Inn Fields; G. Whitley, Camberwell; A. Hoare, 37, Fleet-street; E. Bond, Hampstead; A. M. Dunlop, 3, Old Palace-yard; S. Pope, 38, Parliament-street; J. S. Beale, 28, Great George-street; T. A. Welton,

Clapham.

THE WASSAW AND AHANTA GOLD MINES SYNDICATE (Limited).

—Capital 10,000l., in shares of 50l. To adopt and carry out the provisions of an agreement for turning a syndicate into a company, and for that purpose to acquire from the parties being the syndicate the for that purpose to acquire from the parties being the syndicate the mines, minerals, mining rights, concessions, lands, &c., situate on the Gold Coast. The consideration being the allotment of fully paid up shares to the syndicate members equally in amount of the shares held by them respectively. To exercise all mining or other rights, privileges, or powers over the property, or to sell, lease, let, or otherwise dispose of same. The subscribers are—F. Sheffield, 25, Cullum-street, solicitor, 1; H. M. Hobbs, Lloyd's, insurance broker, 2; A. H. Griffiths, Lloyd's, insurance broker, 1; W. Robinson, Lloyd's, shipowner, 1; S. Lambert, 4, Temple Gardens, barrister, 1; F. Rudall, Victoria Station, telegraph engineer, 1; C. R. Dawson, Ealing, gentleman, 2. THE PADSTOW, TREVONE, AND NORTH CORNWALL LAND AND HOTEL COMPANY (Limited).—The subscribers (who take one share each) are—B. Fletcher, 8, Old Jewry; R. J. Bodfin, Tower Chamber; E. R. Walmsley, Clapham; J. Ryder, 36, Burlington-road; J. Emes, Chelsea; W. H. Stonier, 8, Croftdown-road; W. Buttler, Caterham, Hill's Patent Masonic Flag Company (Limited).—Capital

Chelsea; W. H. Stonier, S. Croftdown-road; W. Buttler, Caternam. Hill's Patent Masonic Flag Company (Limited).—Capital 10,0001., in shares of 101. The manufacture of paving flags, tiles, and concrete materials, &c. The subscribers (who take one share each) are—W. Smale, Macclesfield; H. Hill, Macclesfield; E. Rushton, Macclesfield; J. Stamforth, Macclesfield; J. Bower, Macclesfield; T. Byatt, Macclesfield, H. Brown, Macclesfield.

J. AND S. TAYLOR (Limited).—Capital 30,000L, in shares of 10L.
To acquire and continue a cotton spinning and doubling business at
Bower's Mill, Stainland. The subscribers (who take 20 shares each) are—J. Taylor, Stainland; S. Taylor, Huddersfield; W. Taylor, Barkisland; S. E. Brook, Barkisland; B. Taylor, Stainland; A. Whitworth, Barkisland; S. H. Taylor, Huddersfield.

Barnes, Hammersmith, 1: F. Wingrove, Hammersmith, 1: H. the lands, minerals, and mining rights at Nant Uchaf, Tyddyn-Morgan, and Nant Fawr, situate in the parish of Abergele, Denbigh, together with the plant, machinery, implements, and buildings in or about the same; to work, quarry, and get hematite, iron ore, manganese, and manganiferous iron ore and other minerals. The subscribers (who take one share each) are—J. Launceston, Mostyn, M.E.; J. Therburn, Ditton, ironmaster; W. Shone, Chester, accountable, T. Westbiarden, Old Eling accountant, J. Pag. Wigne, and of ant; T. Worthington, Old Elms, accountant; J. Pue, Wigan, out of business; F. Riebards, West Houghton, actuary; W. Wight, Rhyl,

WEST AFRICAN GOLD FIELDS (Limited).—Capital 100,000l., in shares of 2l. To acquire by purchase or otherwise lands, estates, mines, mineral grants, mining rights and privileges, orcs, minerals, and other properties on the West Coast, and to adopt and carry into effect an agreement made between J. W. Reader, of the one part, and C. B. Walker, as trustee for the company To carry on the general business of miners, smelters, washers and reducers of ores, minerals, and other auriferous substances. The subscribers (who take one share each) are—P. Sleigh, Islington, merchant; J. T. Rawlings, Canonbury-square, clerk; G. Ungay, 32, Ladbroke-grove, no occupation; F. S. Bastow, Wimbledon, merchant; G. Martin, West Brompton, no occupation; R. H. Sheppard, Guildford-street, accountant; E. Schubert, 32, St. Swithin's-lane, accountant.

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and malster's business. The subscribers (who take one share each) are—T. V. Smith, Thames Bank Distillery; M. Garrett, Alchburgh; J. Garrett, Bow; E. Garrett, East Ham; H. Cowell, 2, Hare-court; E. Carter, jun., Ryde; J. Hall, Bromley.

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THE TIN DEPOSITS OF QUEENSLAND.

Much attention has from time to time been directed to the tin deposits of the Wilde River in Queensland, and already the interesting report of the Rev. J. E. Tenison-Woods, F.G.S., F.L.S., to the Government has been referred to in the Journal. He has now furnished some further details, which will not be less acceptable. After mentioning the favourable notice which his official report in this country received, he remarks that "the Editor of the Mining Journal after its perusal goes so far as to say that 'it cannot be doubted that the vast deposits of tin in Australia are destined at no distant date to supply a large proportion of the metallic tin required for the supply of the markets of the world. Let us hope that these anticipations may be realised, as I have no doubt they will." He premises, for the sake of clearness, at the risk of repeating what he has already said, that the Herberton tin mines lie upon the slopes and crests of granite pures from a great granite range of mountains which run is north. the Herberton tin mines lie upon the slopes and creats of grabite spurs from a great granite range of mountains which run in a north and south direction about 50 miles from the coast. It is not the main dividing range, but lies to the west of it; and though it is usually much higher than the main divide, yet it is broken by large gaps and valleys, through which the western waters flow. Thus the Mitchell River and its many tributaries flow through a gap in the granite range between Port Douglas and the Hodgkinson gold field. The spurs of granite make a division between the northern and southern waters. It is on a division of this kind that the tin districts occur. The Herberton lodes are on one of the eastern spurs; and seven miles away on the western side is another tin field called tricts occur. The Herberton lodes are on one of the eastern spurs; and seven miles away on the western side is another tin field called the Great Western. The Wilde River flows southward into the Herbert below Cardwell. The Barron flows through the hills in a generally easterly and north-easterly course until it reaches the sea in Trinity Bay. Thus they are both eastern waters. The Great Western tin field is on some creeks which eventually reach the Tate and Walsh and flow through the Mitchell into Carpentaria. Now, 1 am of opinion that the granite axis was formerly the dividing range; but evidently there has been a great outpouring of volcanic rock on the summits and eastern sides of this granite. These trap rocks now divide the waters, and I think that the change has happened in the more recent tertiary times. more recent tertiary times.

M good many lodes, he says, have been found, which no doubt will be permanent and very rich; but there are always near them cappings which at present pay better for working. As far as they are known, the lodes are wide and rich. There is some variation in the direction they take and in their dip, but as a rule they have not much underlay. At Herberton the average direction is a little east of north and west of south. On the western side of the granite range the average direction is west of north and east of south; so that the lodes converge towards the central axis according as they run north lodes converge towards the central axis according as they run north. But this generalisation requires a more extensive knowledge before it can be held as certain. The reefs or lodes are like those of Cornwall, and have the same variable character in thickness and direction, and they are probably as rich, as abundant, and as valuable. That they will prove permanent I have not the least doubt. There is one very obvious proof of this before our eyes. Lodes are found on the highest hills and in the lowest valleys, and those in the valleys are often the richest and best; as, for instance, the prospecting claim. The ore as it is stacked on the surface varies in value from 15 to 60 per cent. of tinstone, which contains about 75 per cent. of turn tin. There is also much poor stone, with less than 10 per cent. In the ore as it is stacked on the surface varies in value from the nurse in. There is also much poor stone, with less than 10 per cent. of this would not pay to crush now, but the time will come when all these ores will be utilised. Ores with only I per cent. of tin are worked in Cornwall at a profit. There is some difficulty in getting the ore to the coast, as for some months the roads are completely blocked. At one time the ore just as it was raised was sent to the coast on horse-wagons or on packs with horses and mules. That any but the very richest and heaviest ores could be thus sent at any sort of profit most persons will be slow to believe. It must be crushed, washed, and carefully dried first, and up to this the requisite mechanism is miserably below the wants of the field. One cannot imagine a mining district with greater disadvantages than Herberton. Bad roads, expensive carriage, no machinery, great distance from the markets, hostile natives, and other perils are a few of the drawbacks. Yet in spite of all these large fortunes have already been made at these tim mines, so this will tell us what must be the richness of the tin and copper lodes.

CONFERENCE ON MINING ACCIDENTS .- The fourth annual conference of the authorities of miners' permanent societies and others interested in movements for relieving distress occasioned by accidents in mines was held last week, under the presidency of the Earl of Crawford and Balcarres, at the Society of Arts. The central society formed of these authorities has a council representing the various mining districts, and the vice-presidents include the Marquis of Bute, Lord Derby, Lord Fitzwilliam, Lord Durham, Lord Wharn-cliffe, Lord Lathom, Lord Halifax, Lord Tredegar, Lord Aberdare, Lord Gerard, Lord Richard Grosvenor, Sir George Elliot, M.P., and other mineowners. The objects of the association are to promote the formation of societies in districts where they do not exist, to watch Parliamentary actions concerning industrial assurance, to enquire as to surplus relief funds, and to carry out plans for reassuring the risks of permanent societies. Mr. G. L. Campbell read the annual report of the Central Association formed of the miners permanent societies in operation in Northumberland, Durham, North Staffordshire, Lancashire, Cheshire, the West Biding of Yorkshire, the Midland counties, North Wales, Monmouthshire, and South Wales. A table of the position of these societies showed that during the year 1881 the members had increased from 129,815 to 142,417; the accumulated funds had increased from 133,078l. to 149,267l.; the revenue had increased from 97,894l. to 105,509l.; the number of widows receiving annuities had increased from 864 to 1031; the number of children in receipt of relief had increased from 1830 to 2118; and the "disablements" had increased from 22,153 to 23,542 The societies had had peculiar difficulties to contend with in 1881. The societies had had peculiar difficulties to contend with in 1881, owing to the coming into operation of the Employers' Liability Act, but these difficulties had not impeded the growth of the societies. The Chairman, in moving the adoption of the report, congratulated the conference upon the steady growth of the various societies during the past year. Referring to the Employers' Liability Act he said that, so far as his experience went, there had been no bitterness or antagonism arising out of the Act. Archidecon Sir Loyeless Stemps representing the North Steffordships been no bitterness or antagonism arising out of the Act. Archedeacon Sir Lovelace Stamer, representing the North Staffordshire Society, seconded the motion for the adoption of the report, and urged that men and employers should do for themselves through these societies what commercial companies proposed to do for them. The report was adopted unanimously, the President, the yice-Presidents, and council were re-elected, and a resolution was passed approving the principle of federation, and authorising the council to take such steps as they might deem necessary to carry it into effect. The conference closed with a vote of thanks to the President. change and an vity of the firs pared v 06.012 Spanish tons re 120.095 favoura and iro industr took tw o supp ustaine aintai Firm rade, a day. T ness. are beg has bee

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FOREIGN MINING AND METALLURGY.

FOREIGN MINING AND METALLURGY.

The French iron trade has remained firm, without any appreciable change. Bars have been maintained with firmness at \$L\$ per ton, and an advance is regarded as probable, having regard to the activity of the demand. The imports of iron minerals into France in the first five months of this year are returned at 560,833 tons, as compared with 474,802 tons in the corresponding period of 1880. In these totals spanish minerals figured for 179,541 tons, 156,862 tons, and 96,824 tons respectively, while Algeria minerals figured for 136,749 tons, 120,065 tons, and 124,449 tons respectively. There is little change in the general condition of the German iron trade, which remains favourable. Pig has been in good demand upon the German markets, and iron has been freely dealt in. Plates have been in request, especially those intended for construction purposes. The demand has, indeed, been well sustained for all products of German metallurgical industry, and there is, accordingly, some expectation of an advance in prices. Contracts for 14,400 tons of steel rails have just been shared between Herr Krupp and the Dortmund Union Works; Krupp took two lots at 71. 17s. 4d. per ton, and the Dortmund Union agreed to supply the other two lots at 71. 18s. per ton. The German coal imade continues to present a good tone; the demand has been well statined, especially coal for metallurgical purposes. Coke has also insintained former rates with irmness.

Firmness is still the prevailing characteristic of the Belgian iron trade, and transactions appear to be becoming more numerous every day. The various descriptions of iron are all in sufficient request to enable producers to maintain their rates with the greatest firmness. No advance has yet been established, but symptoms of a rise are beginning to be remarked. Pig is tending upwards. English pig has been firm upon the Belgian markets, but has not changed in price. As regards Belgian pig ordinary qualities havemade 21. 4s. 6d. per ton. The Athus Works have disp

COATING METAL SURFACES WITH OTHER METAL OR ALLOY.

The coating or plating of iron or steel with metals or alloys which are tensile at red heat, without the use of a flux for uniting the two metals, has the disadvantageous consequence that by reason of the oxidation of iron and steel (which it is extremely difficult to avoid when these metals are heated) there are many parts or places at which the iron or the steel is either not connected at all, or but very lassificatefully connected, with the superimposed metal or alloy this which the iron or the steel is either not connected at all, or but very insufficiently connected, with the superimposed metal or alloy, this defect causing considerable waste in the working of the coated metal. By means of his present invention Mr. Hermann Reusch, of Dillingen on the Saar, Germany, obviates this difficulty. After having cleaned the iron or steel plate, or other article to be coated from the oxides, or other impurities adhering thereto, he covers or coats the same with a thin film of tin, or with an easily fusible alloy of tin, and then he places the plate or other article in the metal with which it is to be coated or plated, and the plate being thus prepared it is heated to a red heat in a reducing flame, and is rolled out between smooth well-cooled rollers until it is reduced to the required thickness.

When it is desired to combine metals or alloys which are tensile at a red heat, for instance, when coating copper and silver and the like he proceeds in a similar manner. The coating or plating is facili-tated if the iron or steel surface, after having been cleaned, is lightly covered by brushing or dusting over the same chloride of zinc, salammoniac, or other metal chloride which volatilises at a red heat, and which is for this purpose either dissolved in water or pulverised; the iron or steel to be coated is then covered with tin-foil and placed in the metal or alloy to be superimposed upon the said iron or steel, and the heating and rolling out are aftewards proceeded with,

ELECTRIC BATTERIES.

ELECTRIC BATTERIES.

The invention of Mr. George Fournier, of Paris, consists essentially in the employment of metallic oxides capable of forming, with glycerine or glyceric acid, a solid compound insoluble in water, and the use of this compound for the manufacture of primary and secondary batteries. Of all the metallic oxides oxide of lead is the lest adapted for the purposes of the invention. He takes oxide of lead in powder and mixes it with glycerine in sufficient quantity to form a thick paste sufficiently fluid to be run into moulds of suitable form. In about 24 hours after being thus cast the mass becomes solid and insoluble in water. This compound is very readily reducible, so much so, that by placing it in a bath of dilute sulphuric acid in connection by a conducting wire with metallic zinc it becomes reduced as fast as it is attached by the zinc to metallic lead. It is, therefore, eminently suited for the manufacture of galvanic batteries, in which it would form the depolarising electrode, whether employed wholly in lieu of carbon, or whether applied in layers upon carbon or other conductor of electricity.

The compound is an excellent depolarising agent, which permits of forming constant single fluid batteries. As above mentioned the compound after having served as the depolarising electrode becomes completely reduced. Thus in the example we have metallic lead as the product of this reduction, which being in a complete state of division is eminently adapted to recombine with oxygen in order to serve again as a depolarising agent, or even to become peroxidised, and may therefore be employed with advantage in the manufacture of secondary batteries. He can prepare secondary batteries directly by the peroxidisation of plates prepared with oxide of lead and glycerine as above described without previous reduction to the metallic state.

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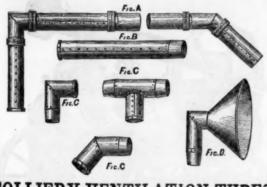
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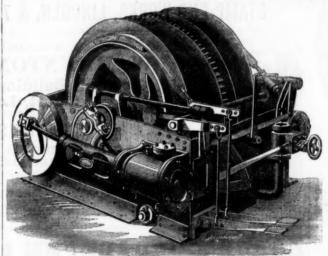


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Fig. C,—Different angle bends.
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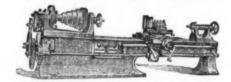
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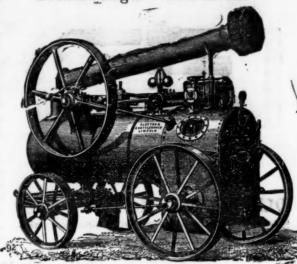
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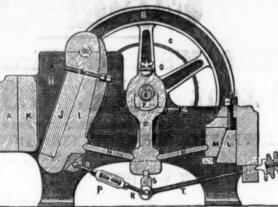
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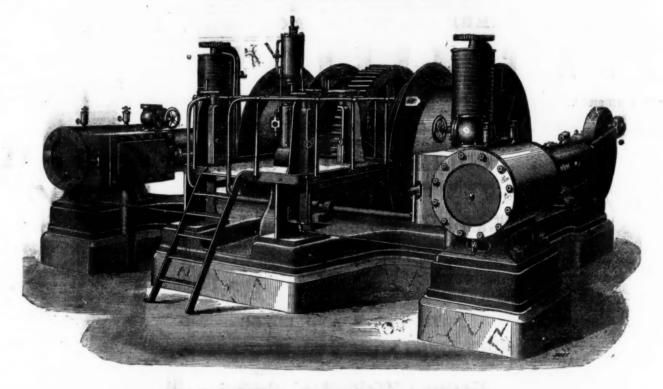
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WITH STEAM REVERSING GEAR.

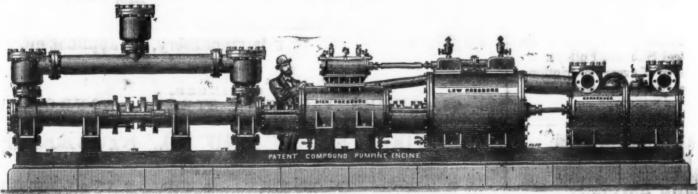


TANGYE'S DIRECT-ACTING

COMPOUND PUMPING ENGINE

For use in Mines, Water Works, Sewage Works,

And all purposes where Economy of Fuel is essential.



SUCCESSFULLY WORKING at the NEWCASTLE and GATESHEAD WATERWORKS, the ADELAIDE, CHESTERFIELD and BOYTHORPE, WYKEN, and other COLLIERIES.

CATALOGUES FORWARDED ON APPLICATION.

ROYAL AGRICULTURAL SHOW, READING, July 10 to 14 inclusive—Stand 271.—MACHINERY IN MOTION DEPARTMENT.—H. R. Marsden will exhibit IN FULL OPERATION his new patent Fine Crusher or Pulveriser, 12 by 3 inches at the mouth; also his Improved Patent Stonebreaker, 15 by 10 inches at the mouth. Parties interested are invited to bring samples of material, and to see them reduced.

PARIS EXHIBITION, 1878. GAINED THE GRAND PRIZE.

RIZE. THE TRIPLE AWARD. Gold Medal, Silver Medal, and Honourable Mention in competition with all the World.

THE BLAKE-MARSDEN NEW PATENT IMPROVED STONE BREAKERS AND ORE CRUSHERS.

ORIGINAL PATENTEE AND ONLY MAKER.

ALSO PATENTER AND ONLY MAKER OF THE

CRUSHER OR PULVERIZER,

FOR REDUCING TO AN IMPALPABLE POWDER, OR ANY DEGREE OF FINENESS REQUIRED,

GOLD QUARTZ, SILVER, COPPER, TIN, ZINC, LEAD,

Also Cement, Barytes, Limestone, Chalk, Pyrites, Coprolite, &c., &c. These Machines are in successful operation in this country and abroad, and reference to users can be had on application.

PATENT REVERSIBLE CUBING and CRUSHING

WITH PATENT FACED BACKS, REQUIRING NO WHITE METAL IN FIXING.

NEW PATENT CRUCIBLE CAST-STEEL CONNECTING NEW PATENT RENEWABLE TOGGLE CUSHIONS, &c

OVER 4000 IN USE.

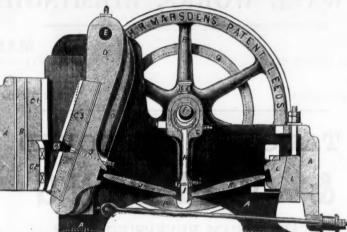
EXTRACT FROM TESTIMONIALS.

PULVERISER.

"I have great pleasure in bearing testimony to the merits and capabilities of your patent combined fine crusher and sieving apparatus. I have tried it on a variety of ores and minerals, and it puverizes them with equal success. You can put in a small paving stone, and bring it out like flour.

"The power required to drive it is very small, being from 4 to 5-horse, and the regalier are almost nil.

"I am sure the mechine will be a success, and a great one, and there is any amount of demand for such a machine. We can work it with 20 lbs. of steam, and our engine, which is a 12-h.p., plays with the work, in fact wer un the Stonebreaker and the Pulveriser both together with 85 lbs."



FOR CATALOGUES, TESTIMONIALS, &c., APPLY TO THE SOLE MAKER.

FIRST-CLASS GOLD AND SILVER MEDALS.

ADOPTED BY THE PRINCIPAL CORPORATIONS, CONTRACTORS, MINING COMPANIES, &c., IN ALL PARTS OF THE WORLD.

ROAD METAL BROKEN EQUAL TO HAND, AT ONE-TENTH THE COST.

EXTRACTS FROM TESTIMONIALS.

"The 15 × 8 stonebreaker gives perfect satisfaction. It produces a more cubical stone than any others I have seen at work."

"Your 15 × 10 machine makes the best road metal I have ever seen put through a machine—in fact, comparing favourably with hand broken."

broken."
"Your 10 × 7 crusher at the Aruba Gold Mines will crush 90 to
100 tors per 24 hours of the hardest gold quartz to 1 'size."
"Some of your testimonials do not give your machines half their
due. I have seen men hammering away on a big rook for a quarter
of a day which your machine would reduce to the required size in a
quarter of a minute. I would guarantee that your largest size machine would reduce more of the Cornish tin capels (which is the
hardest rock of England) in a day than 200 men, and at 1-25th the
cost."

GREATLY REDUCED PRICES ON APPLICATION.

MARSDEN, \mathbf{R} . SOHO FOUNDRY, LEEDS.

FLY-WHEELS ON BOTH SIDES.

STEAM PUMPS

COLLIERY PURPOSES.

Specially adapted for forcing Water any height ALSO, FOR

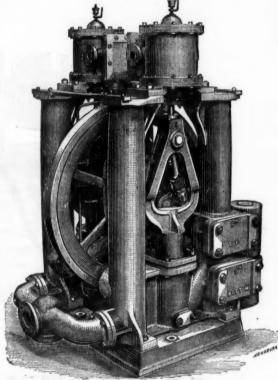
SINKING, FEEDING BOILERS AND STEAM FIRE ENGINES.

which he has made over 8000.

PATENT CAM AND LEVER

PUNCHING SHEARING MACHINES.

Works: Oldfield Road, Salford, Manchester.



"KING AND HUMBLE'S" PATENT DETACHING HOOK To prevent over winding

PATENT SAFETY CAGE,

aspend in Shaft in cases of fracture of Winding Rope Winding and Hauling Engines, Special Centrifugal Pumps, Weighing Machines, Steel Castings, Mining Steel and Tools, Winches, Steel Shovels, Pulleys,

Mining Machinery of every description. Brick Machinery and Mortar Mills.





ENGLISH CAPITALIST wishing a CORRECT REPORT on the SILVER MINES of COLORADO will do well to apply to—Capt. DANIEL ROBERTS, Georgetown, Colorado.

CHAMPION" THE ROCK

MINE AND QUARRY STANDS, STEEL DRILLS, SPECIALLY PREPARED INDIARUBBER HOSE, TESTED IRON PIPES, &c.

Air-Compressing Machinery,

Simple, strong, and giving most excellent results. Full particulars of rapid and economical work effected by this machinery, on application.

H. HARRIS,

63, QUEEN VICTORIA STREET, LONDON, E.C.

WOOD ASTON AND CO., STOURBRIDGE

(WORKS AND OFFICES ADJOINING CRADLEY STATION), Manufacturers of

CRANE, INCLINE, AND PIT CHAINS, Also CHAIN CABLES, ANCHORS, and RIGGING CHAINS, IRON and STEEL SHOVELS, SPADES,

FORKS, ANVILS, VICES, SCYTHES, HAY and CHAFF KNIVES, PICKS, HAMMERS, NAILS, RAILWAY and MINING TOOLS, FRYING PANS, BOWLS, LADLES, &c., &c. Crab Winches, Pulley and Snatch Blocks, Screw and Lifting Jacks, Ship Knees, Forgings, and Use Iron of all descriptions WELDED STEEL CHAINS { FOR CRANES, INCLINES, MINES, &c.,

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